

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7945752

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	MERGER AND CHANGE OF NAME
EFFECTIVE DATE:	04/01/2022
CONVEYING PARTY DATA	
Name	Execution Date
FRED HUTCHINSON CANCER RESEARCH CENTER	03/30/2022
NEWLY MERGED ENTITY DATA	
Name	Execution Date
SEATTLE CANCER CARE ALLIANCE	03/30/2022
MERGED ENTITY'S NEW NAME (RECEIVING PARTY)	
Name:	FRED HUTCHINSON CANCER CENTER
Street Address:	1100 FAIRVIEW AVENUE NORTH
City:	SEATTLE
State/Country:	WASHINGTON
Postal Code:	98109
PROPERTY NUMBERS Total: 10	
Property Type	Number
Application Number:	13673779
Application Number:	15911017
Application Number:	11897721
Application Number:	15758320
Application Number:	17353447
Application Number:	16330069
Application Number:	16478672
Application Number:	17873510
Application Number:	17049148
Application Number:	17312703
CORRESPONDENCE DATA	
Fax Number:	(206)839-4801
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	206-839-4800

Email: seattlepatentdocket@us.dlapiper.com,
christina.campbell@us.dlapiper.com
Correspondent Name: DLA PIPER LLP
Address Line 1: 701 FIFTH AVENUE, SUITE 6900
Address Line 4: SEATTLE, WASHINGTON 98104-7029

NAME OF SUBMITTER: CHRISTINA CAMPBELL

SIGNATURE: /Christina Campbell/

DATE SIGNED: 05/10/2023

Total Attachments: 74

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UNITED STATES OF AMERICA

The State of Washington



Secretary of State

CERTIFICATE OF MERGER

I, **STEVE R. HOBBS**, Secretary of State of the State of Washington and custodian of its seal, hereby certify that documents meeting statutory requirements have been filed and processed with the Secretary of State merging the below listed "Merging Entity/Entities" into:

SEATTLE CANCER CARE ALLIANCE
(Changing name to FRED HUTCHINSON CANCER CENTER)

WA NONPROFIT CORPORATION

UBI: 601 883 375

Effective Date: 04/01/2022

Filing Date: 03/31/2022

Merging Entities:

600 143 789

FRED HUTCHINSON CANCER RESEARCH CENTER, WA NONPROFIT CORPORATION



Given under my hand and the Seal of the State
of Washington at Olympia, the State Capital

Steve R. Hobbs, Secretary of State

Date Issued: 03/31/2022

PATENT

REEL: 063592 FRAME: 0515

ARTICLES OF MERGER
OF
FRED HUTCHINSON CANCER RESEARCH CENTER
INTO
SEATTLE CANCER CARE ALLIANCE

Pursuant to Section 740 of Chapter 24.03A RCW, the Washington Nonprofit Corporation Act (the "Act"), Fred Hutchinson Cancer Research Center, a Washington nonprofit corporation with an address of 1100 Fairview Avenue N. Seattle, WA 98109 ("Merging Corporation") and Seattle Cancer Care Alliance, a Washington nonprofit corporation having an address of 825 Eastlake Avenue East, Seattle WA 98109 ("Surviving Corporation"), hereby submit the following Articles of Merger:

1. Names of the Parties. The name of the Merging Corporation is Fred Hutchinson Cancer Research Center and the name of the Surviving Corporation is Seattle Cancer Care Alliance. Upon the Effective Time of the Merger, as outlined in the Articles of Amendment, the name of the Surviving Corporation shall be changed to "Fred Hutchinson Cancer Center" having an address of 1100 Fairview Avenue N. Seattle, WA 98109.

2. Articles of Incorporation. The articles of incorporation of the Surviving Corporation shall be amended as of the Effective Time of the Merger in the form set forth as Exhibit A attached hereto (the "Articles of Amendment").

3. Effect of Merger. Pursuant to RCW 24.03A.745, all property owned by the Merging Corporation including but not limited to any right (including the right to claim priority), title, and interest in and to any patents and patent applications shall be transferred to the Surviving Corporation as a result of the merger.

4. Board Approvals. The Plan of Merger whereby the Merging Corporation will merge with and into the Surviving Corporation (the "Plan of Merger") was adopted by the directors of the Merging Corporation in accordance with resolutions approved at a meeting of the Merging Corporation's Board of Directors held on March 15th, 2022. The Plan of Merger was adopted by the directors of the Surviving Corporation in accordance with resolutions approved at a meeting of the Surviving Corporation's Board of Directors held on March 8th, 2022.

5. Member Approval. In accordance with Section 735 of the Act, the Plan of Merger was approved by the members of the Surviving Corporation by unanimous written consent on March 31st, 2022. The Merging Corporation is exempt from member approval under Section 735 of the Act as a non-member nonprofit corporation.

6. Effective Time and Date. The effective time and date of the Merger shall be 12:01am on April 1, 2022 (the "Effective Time").

IN WITNESS WHEREOF, the undersigned have executed these Articles of Merger in an official and authorized capacity this 30th day of March, 2022.

Surviving Corporation:

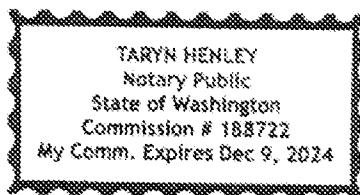
Seattle Cancer Care Alliance,
a Washington nonprofit corporation

By: Nancy E. Davidson
Nancy E. Davidson, MD, President and
Executive Director

STATE OF Washington) ss.
COUNTY OF King)

I certify that I know or have satisfactory evidence that Nancy E. Davidson MD is the person who appeared before me, and said person acknowledged that said person signed this instrument, on oath stated that said person was authorized to execute the instrument and acknowledged it as the President and Executive Director of Seattle Cancer Care Alliance, a Washington nonprofit corporation, to be the free and voluntary act of such corporation for the uses and purposes mentioned in the instrument.

Dated: March 30, 2022.



Taryn Henley
Signature
Print Name: Taryn Henley
Notary Public in and for the State of: WA
Residing at: Seattle, WA, USA
My Commission Expires: 12/9/2024

Signature Page to Articles of Merger

IN WITNESS WHEREOF, the undersigned have executed these Articles of Merger in an official and authorized capacity this 30th day of March, 2022.

Merging Corporation:

Fred Hutchinson Cancer Research Center,
a Washington nonprofit corporation

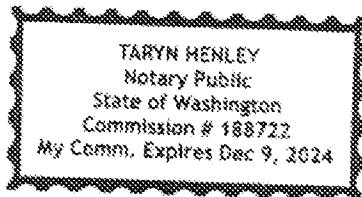
By: Tom Lynch

Thomas J. Lynch Jr., MD, President and
Director

STATE OF Washington
COUNTY OF King) ss.

I certify that I know or have satisfactory evidence that Thomas J. Lynch Jr. MD is the person who appeared before me, and said person acknowledged that said person signed this instrument, on oath stated that said person was authorized to execute the instrument and acknowledged it as the President and Director of Fred Hutchinson Cancer Research Center, a Washington nonprofit corporation, to be the free and voluntary act of such corporation for the uses and purposes mentioned in the instrument.

Dated: March 30, 2022.



Taryn Henley
Signature

Print Name: Taryn Henley

Notary Public in and for the State of: WA

Residing at: Seattle, WA, USA

My Commission Expires: 12/9/2024

Signature Page to Articles of Merger

EXHIBIT A:
ARTICLES OF AMENDMENT

Work Order #: 2022033100210969 - 1

PATENT

e: 03/31/2022

**ARTICLES OF AMENDMENT
OF THE
ARTICLES OF INCORPORATION
OF
SEATTLE CANCER CARE ALLIANCE**

UBI No. 601 883 375

Pursuant to the provisions of RCW Chapter 24.03A, the undersigned adopts the following Articles of Amendment to the Articles of Incorporation of Seattle Cancer Care Alliance.

1. UBI No.: The UBI No. of Seattle Cancer Care Alliance is 601 883 375.
2. Name of Corporation: The name of record of the corporation is Seattle Cancer Care Alliance (the "Corporation").
3. Article I of the Articles of Incorporation is hereby amended in its entirety to read:

ARTICLE I
Name

The name of the corporation is Fred Hutchinson Cancer Center ("Corporation").

4. Article III of the Articles of Incorporation is hereby amended in its entirety to read:

ARTICLE III
Purpose

The Corporation is organized under and subject to Chapter 24.03A of the Revised Code of Washington, and shall be operated exclusively for charitable, scientific and educational purposes, within the meaning of Section 501(c)(3) of the Internal Revenue Code of 1986, as amended (the "Code"), or any successor provision, to create and operate a preeminent, world-class cancer center that is a leader in translating scientific discovery into the prevention, diagnosis, treatment, and cure of cancer and related diseases and to improve the health of the public, reflecting the benefits, opportunities and strengths of being cancer focused but also part of a comprehensive health system, and incorporating an approach to healthcare that addresses the full range of health care needs of patients. Without limiting the generality of the foregoing, the Corporation is organized and operated for the following purposes:

- (a) Operating a comprehensive cancer center that treats the whole person and provides an exceptional patient experience;

(b) Seeking to improve health outcomes for historically underserved populations and access to advanced treatment for patients in the Corporation's catchment area;

(c) Conducting world leading research programs that accelerate the application of basic science discoveries to cure and prevent cancer and related diseases;

(d) Enabling the rapid application of research advances to transform care for cancer and related diseases and to achieve the world's best clinical outcomes;

(e) Developing and maintaining a culture of caring, innovation and collaboration and diversity, equity and inclusion that allows for the recruitment and retention of preeminent health care professionals and scientists who reflect our broader communities;

(f) Having state-of-the art facilities and technology;

(g) Ensuring robust growth regionally, nationally and globally to improve access for patients to clinical trials and best outcomes;

(h) Developing and maintaining a reputation of national prominence and global leadership that is supported by strong philanthropy and attracts greater research funding;

(i) Ensuring strong cash flow generation that enables investment in groundbreaking research, clinical care and training of the next generation of clinicians and scientists who will cure and prevent cancer and related diseases;

(j) Striving to ensure that the priorities, activities and initiatives of the Corporation complement and advance the common mission of UW Medicine to improve the health of the public, reflect the benefits, opportunities and strengths of being part of a comprehensive health system, and incorporate an approach to healthcare that takes into account the full range of health care needs of patients;

(k) Providing leadership in the creation of an improved system of community outreach, including educational seminars, cancer conferences, consultations, and similar clinical cancer support services; and

(l) Conducting education in all phases of its research and disseminating knowledge acquired pursuant to its activities.

5. Article IV of the Articles of Incorporation is hereby amended in its entirety to read:

ARTICLE IV

Members

The Corporation shall have no members.

6. Article V of the Articles of Incorporation is hereby amended in its entirety to read:

ARTICLE V
Regulation of Internal Affairs

Except as otherwise expressly provided in these articles of incorporation, the internal affairs of the Corporation shall be governed by its bylaws ("Bylaws").

7. Article VI of the Articles of Incorporation is hereby amended in its entirety to read:

ARTICLE VI
Limitations

The Corporation shall be operated exclusively for charitable, scientific, and educational purposes in such manner that it shall qualify as an exempt organization under Section 501(c)(3) of the Code, and that contributions to the Corporation shall be deductible under Section 170(c)(2) of the Code. Without limiting the generality of the foregoing:

(a) No part of the net earnings of the Corporation shall inure to the benefit of any private shareholder or individual;

(b) No substantial part of the activities of the Corporation shall involve carrying on propaganda, or otherwise attempting, to influence legislation, except as otherwise permitted by an organization described in Section 501(c)(3) of the Code, and the Corporation shall not participate in, nor intervene in any political campaign, including the publishing or distribution of statements, on behalf of or in opposition to any candidate for public office;

(c) Notwithstanding any other provisions of these Articles, the Corporation shall not be shall not be a supporting organization of the University of Washington or any affiliated entity under the Code; and

(d) Notwithstanding any other provisions of these Articles, the Corporation shall not carry on any activities not permitted to be carried on (i) by a corporation exempt from federal income tax under Section 501(c)(3) of the Code, or (ii) by a corporation, contributions to which are deductible under Section 170(c)(2) of the Code.

8. Article VII of the Articles of Incorporation is hereby amended in its entirety to read:

ARTICLE VII
Dissolution

Upon the winding up and dissolution of the Corporation, the assets of the Corporation remaining after payment, or provision for payment, of all debts and liabilities of the Corporation, shall be distributed in accordance with the Bylaws and Chapter 24.03A.906 of the Revised Code

of Washington; provided that any recipient of such distributions must be either a governmental organization or an organization recognized as exempt under Section 501(c)(3) of the Code or a successor provision, as determined by the board of directors of the Corporation ("Board of Directors").

9. Article VIII of the Articles of Incorporation is hereby amended in its entirety to read:

ARTICLE VIII

Directors

The management of the Corporation shall be vested in its Board of Directors, subject to the Bylaws. The powers, duties, number, qualifications, terms of office, manner of appointment, and time and place of meetings of the Board of Directors shall be as set forth in the Bylaws. The names and addresses of the persons that are to serve as the directors of the Corporation as of the date these Articles of Amendment are effective are listed on Exhibit L, including the class to which they are assigned for purposes of establishing the initial term of appointment. The persons serving as directors may be changed in accordance with the provisions of the Bylaws.

10. Article IX of the Articles of Incorporation is hereby amended in its entirety to read:

ARTICLE IX

Director Liability Limitations

To the fullest extent permitted by law, a director of the Corporation or a predecessor corporation, including Fred Hutchinson Cancer Research Center and Seattle Cancer Care Alliance, shall not be liable to the Corporation for monetary damages for conduct as a director, and there shall be no retroactive amendment or repeal of this Article IX.

11. Article X of the Articles of Incorporation is hereby amended in its entirety to read:

ARTICLE X

Indemnification

Section 1. Right to Indemnification. Each person who was or is made a party or is threatened to be made a party to or is otherwise involved (including, without limitation, as a witness) in any actual or threatened action, suit or proceeding, whether civil, criminal, administrative or investigative (hereinafter a "proceeding"), by reason of the fact that he or she is or was a director, trustee, or officer of the Corporation or a predecessor corporation, including Fred Hutchinson Cancer Research Center and Seattle Cancer Care Alliance or, that being or having been such a director, trustee or officer or an employee of the Corporation, he or she is or was serving at the request of the Corporation or such predecessor as a director, trustee, officer, employee or agent of another corporation or of a partnership, joint venture, trust or other enterprise, including service with respect to employee benefit plans (hereinafter an "indemnitee"), whether the basis of a proceeding is alleged action in an official capacity as such a director, trustee, officer, employee or agent or in any other capacity while serving as such a director, trustee, officer,

employee or agent, shall be indemnified and held harmless by the Corporation to the full extent permitted by applicable law as then in effect, against all expense, liability and loss (including attorneys' fees, judgments, fines, ERISA excise taxes or penalties and amounts to be paid in settlement) actually and reasonably incurred or suffered by such indemnitee in connection therewith, and such indemnification shall continue as to an indemnitee who has ceased to be a director, trustee, officer, employee or agent and shall inure to the benefit of the indemnitee's heirs, executors and administrators; provided, however, that no indemnification shall be provided to any such indemnitee if the Corporation is prohibited by the non-exclusive provisions of the Washington Nonprofit Corporation Act or other applicable law as then in effect from paying such indemnification; and provided, further, that except as provided in Section 2 of this Article with respect to proceedings seeking to enforce rights to indemnification, the Corporation shall indemnify any such indemnitee in connection with a proceeding (or part thereof) initiated by such indemnitee only if a proceeding (or part thereof) was authorized or ratified by the Board of Directors. The right to indemnification conferred in this Section 1 shall be a contract right and shall include the right to be paid by the Corporation the expenses incurred in defending any proceeding in advance of its final disposition (hereinafter an "advancement of expenses"). Any advancement of expenses shall be made only upon delivery to the Corporation of an undertaking (hereinafter an "undertaking"), by or on behalf of such indemnitee, to repay all amounts so advanced if it shall ultimately be determined by final judicial decision from which there is no further right to appeal that such indemnitee is not entitled to be indemnified for such expenses under this Section 1 and (1) upon delivery to the Corporation of a written affirmation (hereinafter an "affirmation") by the indemnitee of his or her good faith belief that such indemnitee has met the standard of conduct necessary for indemnification by the Corporation pursuant to this Article or (2) upon such determination (hereinafter a "determination") as may be permitted or required by the Washington Nonprofit Corporation Act or other applicable law.

Section 2. Right of Indemnitee to Bring Suit. If a claim under Section 1 of this Article is not paid in full by the Corporation within 60 days after a written claim has been received by the Corporation, except in the case of a claim for an advancement of expenses, in which case the applicable period shall be 20 days, the indemnitee may at any time thereafter bring suit against the Corporation to recover the unpaid amount of the claim. If successful in whole or in part, in any such suit or in a suit brought by the Corporation to recover an advancement of expenses pursuant to the terms of an undertaking, the indemnitee shall also be entitled to be paid the expense of prosecuting or defending such suit. The indemnitee shall be presumed to be entitled to claim (and, in an action brought to enforce a claim for an affirmation or determination has been tendered to or made by the Corporation) and thereafter the Corporation shall have the burden of proof to overcome the presumption that the indemnitee is so entitled. Neither the failure of the Corporation (including the Board of Directors, independent legal counsel or the members) to have made a determination prior to the commencement of such suit that indemnification of the indemnitee is proper in the circumstances nor an actual determination by the Corporation (including the Board of Directors, independent legal counsel or the members) that the indemnitee is not entitled to indemnification shall be a defense to the suit or create a presumption that the indemnitee is not so entitled.

Section 3. Nonexclusivity of Rights. The right to indemnification and the advancement of expenses conferred in this Article shall not be exclusive of any other right which any person may have or hereafter acquire under any statute, provision of the Articles of Incorporation or Bylaws of the Corporation, general or specific action of the Board of Directors, contract or otherwise.

Section 4. Insurance, Contracts and Funding. The Corporation may maintain insurance, at its expense, to protect itself and any director, trustee, officer, employee or agent of the Corporation or another corporation, partnership, joint venture, trust or other enterprise against any expense, liability or loss, whether or not the Corporation would have the power to indemnify such person against such expense, liability or loss under the Washington Nonprofit Corporation Act. The Corporation may enter into contracts with any director, trustee, officer, employee or agent of the Corporation in furtherance of the provisions of this Article and may create a trust fund, grant a security interest or use other means (including, without limitation, a letter of credit) to ensure that payment of such amounts as may be necessary to effect indemnification as provided in this Article.

Section 5. Indemnification of Employees and Agents of the Corporation. The Corporation shall indemnify, defend and hold harmless employees and agents of the Corporation with the same scope and effect as the provisions of this Article with respect to the Corporation's obligation to indemnify, defend and hold harmless a director, trustee or officer of the Corporation or pursuant to rights granted pursuant to, or provided by, the Washington Nonprofit Corporation Act or otherwise.

Section 6. Person Serving Other Entities. Any person who is or was a director, trustee, officer or employee of the Corporation who is or was serving (a) as a director, trustee or officer of another corporation of which a majority of the shares entitled to vote in the election of its directors is held by the Corporation or which is otherwise controlled by the Corporation, or (b) is an executive or is in a management capacity in a partnership, joint venture, trust or other enterprise of which the Corporation (or a wholly-owned or controlled subsidiary of the Corporation) is a general partner or has a majority ownership interest shall be deemed to be so serving at the request of the Corporation and entitled to indemnification and advancement of expenses under Section 2 of this Article.

12. Article XI of the Articles of Incorporation is hereby amended in its entirety to read:

ARTICLE XI
Registered Office and Agent

The address of the registered office of the Corporation is LPSL Corporate Services, Inc. 1420 Fifth Avenue, Suite 4200, Seattle, WA 98101.

13. Article XII of the Articles of Incorporation is hereby amended in its entirety to read:

ARTICLE XII
Amendments

These Restated Articles of Incorporation may be amended as allowed by the Washington Nonprofit Corporation Act. In addition to any other approvals required under the Corporation's bylaws or applicable law, any amendment to Article III requires the separate approval of the Board of Regents of the University of Washington, upon advice of the UWM Advisory Board.

14. Board Approval. These Articles of Amendment were approved in the manner required by RCW24.03A.665 on March 8th, 2022.
15. Member Approval. Member approval was obtained in accordance with RCW 24.03A.655 on March 31st, 2022.

[Signature Page Follows]

Dated this 24th Day of March, 2022.

SEATTLE CANCER CARE ALLIANCE,

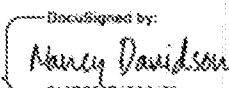
BY  DocuSigned by:
218EC08E15C8A75
Nancy E. Davidson, M.D.
President and Executive Director

EXHIBIT I
Directors

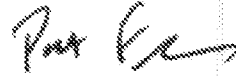
Name	Address	Director Class
Lisa Brandenburg	1100 Fairview Avenue North Seattle, Washington 98109	N/A (ex officio)
Nancy Davidson, MD	1100 Fairview Avenue North Seattle, Washington 98109	N/A (ex officio)
Thomas Lynch, Jr, MD	1100 Fairview Avenue North Seattle, Washington 98109	N/A (ex officio)
Paul Ramsey, MD	1100 Fairview Avenue North Seattle, Washington 98109	N/A (ex officio)
Kristianne Blake	1100 Fairview Avenue North Seattle, Washington 98109	Class 1
Sean Boyle	1100 Fairview Avenue North Seattle, Washington 98109	Class 3
Stephen Graham	1100 Fairview Avenue North Seattle, Washington 98109	Class 2
Joanne Harrell	1100 Fairview Avenue North Seattle, Washington 98109	Class 3
Jeremy Jaech	1100 Fairview Avenue North Seattle, Washington 98109	Class 2
Leigh Morgan	1100 Fairview Avenue North Seattle, Washington 98109	Class 1
Julie Nordstrom	1100 Fairview Avenue North Seattle, Washington 98109	Class 3
Eduardo Peñalver	1100 Fairview Avenue North Seattle, Washington 98109	Class 1
Kathy Surace-Smith	1100 Fairview Avenue North Seattle, Washington 98109	Class 2

CONSENT TO APPOINTMENT AS REGISTERED AGENT

LPSL Corporate Services, Inc. hereby consents to serve as Registered Agent, in the State of Washington, for **FRED HUTCHINSON CANCER CENTER**. LPSL Corporate Services, Inc. understands that as agent for said company it will be responsible to receive service of process and license renewals in the name of said company; to forward all mail to said company; and to immediately notify the office of the Secretary of State in the event of its resignation, or of any changes in the registered office address of 1420 Fifth Avenue, Suite 4200, Seattle, WA 98101-2375.

Dated this 1st day of April 2022.

LPSL CORPORATE SERVICES, INC.,
as Registered Agent



By: _____
Patrick J. Franke, Vice President

CONFIRMATION OF TRANSFER OF PATENT RIGHTS THROUGH MERGER

WHEREAS, on March 30, 2022, Fred Hutchinson Cancer Research Center, a nonprofit corporation organized under the laws of Washington and having an address of 1100 Fairview Avenue N., Seattle, WA 98109, USA ("Merging Corporation") was the owner of the patent(s) and application(s) identified in the attached Schedule A ("the Patent(s)").

WHEREAS, on March 30, 2022, Seattle Cancer Care Alliance, a nonprofit corporation organized under the laws of Washington and having an address of 825 Eastlake Avenue East, Seattle, WA 98109, USA ("Surviving Corporation") was desirous of acquiring the Patent(s) and related invention(s) thereof through transfer of rights through merger.

WHEREAS, on March 30, 2022, Merging Corporation and Surviving Corporation executed Articles of Merger, having an effective merger date of April 1, 2022.

NOW, THEREFORE Merging Corporation confirms that, pursuant to the Articles of Merger, effective April 1, 2022, Merging Corporation has transferred unto Surviving Corporation all Merging Corporation's right, title and interest in and to the Patent(s), and the invention(s) disclosed and claimed therein, and any Letters Patent(s) which may be thereafter granted on the same in the United States and its territorial possessions and all countries throughout the world including any reissues, divisions, continuations in whole or in part, substitutions, conversions, reexaminations, other post-grant proceedings, prolongations, provisionals, or extensions or adjustments in term thereof, as well as rights to any and all existing causes of action and the right to past damages associated therewith, and all rights under the Paris Convention, including priority, the same to be held and enjoyed by Surviving Corporation for its own use and behalf and the use and behalf of its successors, legal representatives and assigns as entirely as the same would have been held and enjoyed by Merging Corporation had this transfer not been made.

Merging Corporation confirms that Surviving Corporation was granted the right to update the bibliographic information found in the attached Schedule A from time to time, including but not limited to correcting any typographical errors and adding the patent application numbers and patent numbers for those filings that fall under the scope of the above grant, such that this Confirmation of Transfer of Patent Rights Through Merger can be recorded with the respective global patent offices.

CONFIRMATION OF TRANSFER OF PATENT RIGHTS THROUGH MERGER

IN WITNESS WHEREOF, the undersigned have executed this Confirmation of Transfer of Patent Rights Through Merger in an official and authorized capacity this 30th day of March, 2022.

Surviving Corporation:

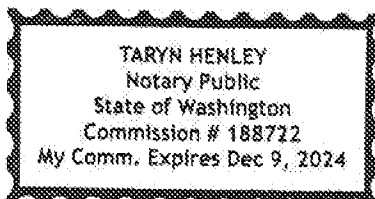
Seattle Cancer Care Alliance,
a Washington nonprofit corporation

By: *Nancy E. Davidson*
Nancy E. Davidson, MD, President and
Executive Director

STATE OF Washington) ss.
COUNTY OF King)

I certify that I know or have satisfactory evidence that Nancy E. Davidson is the person who appeared before me, and said person acknowledged that said person signed this instrument, on oath stated that said person was authorized to execute the instrument and acknowledged it as the President and Executive Director of Seattle Cancer Care Alliance, a Washington nonprofit corporation, to be the free and voluntary act of such corporation for the uses and purposes mentioned in the instrument.

Dated: March 30, 2022.



Taryn Henley
Signature
Print Name: Taryn Henley
Notary Public in and for the State of: WA
Residing at: Seattle, WA, USA
My Commission Expires: 12/9/2024

CONFIRMATION OF TRANSFER OF PATENT RIGHTS THROUGH MERGER

IN WITNESS WHEREOF, the undersigned have executed this Confirmation of Transfer of Patent Rights Through Merger in an official and authorized capacity this 30th day of March, 2022.

Merging Corporation:

Fred Hutchinson Cancer Research Center,
a Washington nonprofit corporation

By: Tom Lynch

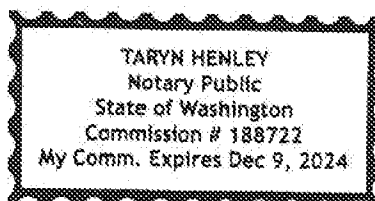
Thomas J. Lynch Jr., MD, President and
Director

STATE OF Washington) ss.

COUNTY OF King)

I certify that I know or have satisfactory evidence that Thomas J. Lynch Jr. is the person who appeared before me, and said person acknowledged that said person signed this instrument, on oath stated that said person was authorized to execute the instrument and acknowledged it as the President and Director of Fred Hutchinson Cancer Research Center, a Washington nonprofit corporation, to be the free and voluntary act of such corporation for the uses and purposes mentioned in the instrument.

Dated: March 30, 2022.



[Signature]
Signature

Print Name: Taryn Henley

Notary Public in and for the State of: WA

Residing at: Seattle, WA, USA

My Commission Expires: 12/9/2024

Schedule A to Confirmation of Transfer of Patent Rights through Merger

Schedule A

Country	Fred Hutch Ref.	Serial No. or Title	File Date	Patent No.
Albania	13-006-AL-EPT	13753495.4	8/20/2013	2884999
	14-010-AL-EPT	14830770.5	12/22/2014	AL/P/2020/000772
Argentina	20-143-AR-NP	P220100240	2/7/2022	
	21-081-AR-NP	COMPOSITIONS AND METHODS FOR TREATING MAGE-A1-EXPRESSING DISEASE		
Australia	00224-AU-PCD	2010210020	12/15/2004	2010210020
	00224-AU-PCD2	2012261476	12/15/2004	2012261476
	00224-AU-PCT	2004298606	12/15/2004	2004298606
	00238-AU-NP	2005225033	10/18/2005	2005225033
	07-014-AU-PCT	2007325978	10/12/2007	2007325978
	09-021-AU-PCT	2010263172	6/4/2010	2010263172
	10-010-AU2-PCD	2013204119	2/4/2011	2013204119
	10-010-AU2-PCT	2011253424	2/4/2011	2011253424
	10-010-AU-PCD	2015201510	2/4/2011	2015201510
	10-010-AU-PCT	2011213678	2/4/2011	2011213678
	11-029-AU-PCD	2016238963	10/7/2016	2016238963
	11-029-AU-PCD2	2018204208	3/23/2012	2018204208
	11-029-AU-PCT	2012230780	3/23/2012	2012230780
	11-044-AU-PCD	2017206216	11/9/2012	2017206216
	11-044-AU-PCT	2012335073	11/9/2012	2012335073
	12-026-AU-PCD	2018260963	5/2/2013	2018260963
	12-026-AU-PCT	2013256159	5/2/2013	2013256159
	12-033-AU-PCT	2012325791	10/19/2012	
	12-034-AU-PCT	2013323206	9/27/2013	
	13-006-AU-PCD	2018204209	8/20/2013	
	13-006-AU-PCD2	2021200249	8/20/2013	
	13-028-AU-PCT	2014205662	1/7/2014	2014205662
	13-029-AU-PCT	2015213577	2/10/2015	
	14-006-AU-PCD	2018271280	6/3/2015	
	14-006-AU-PCT	2015271689	6/3/2015	2015271689
	14-010-AU-PCD	2019229438	12/22/2014	2019229438
	14-010-AU-PCD2	2021204475	12/22/2014	
	14-010-AU-PCT	2014368892	12/22/2014	2014368892
	14-016-AU-PCD	2019204429	10/31/2014	
	14-016-AU-PCT	2014342020	10/31/2014	2014342020
	15-006-AU-PCD	2020244495	3/4/2016	
	15-006-AU-PCT	2016226022	3/4/2016	2016226022
	15-008-AU-PCT	2015339402	10/27/2015	2015339402

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Country	Fred Hutch Ref.	Serial No. or Title	File Date	Patent No.
	15-009-AU-PCD	2019272003	5/4/2016	2019272003
	15-009-AU-PCD2	2021202274	5/4/2016	
	15-009-AU-PCT	2014352834	11/21/2014	2014352834
	15-029-AU-PCT	2016242967	4/1/2016	2016242967
	15-030-AU-PCT	2017250295	4/14/2017	
	16-005-AU-PCT	2017213844	2/2/2017	
	16-010-AU-PCD	2020202652	9/28/2015	
	16-010-AU-PCT	2015324103	9/28/2015	2015324103
	16-022-AU-PCT	2017235657	3/17/2017	
	16-027-AU-PCT	2016364934	12/5/2016	
	16-039-AU-PCT	2018212634	1/24/2018	
	16-057-AU-PCT	2016222788	2/24/2016	
	16-078-AU-PCT	2017277396	6/6/2017	
	17-007-AU-PCT	2017331362	9/22/2017	
	17-030-AU-PCT	2018210157	1/18/2018	
	17-044-AU-PCT	2012347460	12/7/2012	2012347460
	17-047-AU-PCT	2013273987	6/14/2013	2013273987
	17-047-AU-PCT2	2014232314	3/17/2014	2014232314
	17-048-AU-PCT	2018327225	9/6/2018	
	17-049-AU-PCT	2018327229	9/6/2018	
	17-055-AU-PCT	2016215023	2/5/2016	
	17-057-AU-PCT	2018222749	2/16/2018	
	17-058-AU-PCT	2018314242	8/10/2018	
	17-070-AU-PCT	2018236461	3/16/2018	
	17-079-AU-PCT	2018234830	3/15/2018	
	17-085-AU-PCT	2017356322	11/14/2017	
	18-010-AU-PCT	2018335575	9/25/2018	
	18-015-AU-PCT	2019329984	8/28/2019	
	18-024-AU-PCT	2018351072	10/19/2018	
	18-031-AU-PCT	2019224051	2/21/2019	
	18-039-AU-PCT	2019377553	11/8/2019	
	18-073-AU-PCT	2019210188	1/18/2019	
	18-091-AU-PCT	2019261254	4/19/2019	
	18-092-AU-PCT	2019218397	2/12/2019	
	18-095-AU-PCT	2018359907	11/6/2018	
	18-096-AU-PCT	2019262059	5/1/2019	
	18-157-AU-PCT	2019398467	12/13/2019	
	19-001-AU-PCT	2019324162	8/21/2019	
	19-031-AU-PCT	2019282820	6/7/2019	
	19-049-AU-PCT	2019392748	12/5/2019	

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Country	Fred Hutch Ref.	Serial No. or Title	File Date	Patent No.
Austria	19-103-AU-PCT	HIGH AVIDITY WT1 T CELL RECEPTORS AND USES THEREOF		
	19-132-AU-PCT	2020298572	7/2/2020	
	19-135-AU-PCT	2020252569	4/4/2020	
	19-146-AU-PCT	2020219078	2/6/2020	
	20-002-AU-PCT	2020334064	8/19/2020	
	00238-AT-EPT	05256463.0	10/18/2005	1652937
	00239-AT-EPT	05852204.6	11/23/2005	1814580
	00243-AT-EPT	06739100.3	3/20/2006	1877428
	07-033-AT-EPT	08797923.3	8/14/2008	2178585
	10-010-AT2-EPT	11780950.9	2/4/2011	2569330
	10-010-AT2-ETD	16189999.2	2/4/2011	3165533
	13-006-AT-EPT	13753495.4	8/20/2013	2884999
	14-010-AT-EPT	14830770.5	12/22/2014	3083671
	15-009-AT-EPT	14863490.0	11/21/2014	3071593
	16-022-AT-EPT	17714373.2	3/17/2017	3430038
Belgium	00238-BE-EPT	05256463.0	10/18/2005	1652937
	00239-BE-EPT	05852204.6	11/23/2005	1814580
	00243-BE-EPT	06739100.3	3/20/2006	1877428
	07-033-BE-EPT	08797923.3	8/14/2008	2178585
	10-010-BE2-EPT	11780950.9	2/4/2011	2569330
	10-010-BE2-ETD	16189999.2	2/4/2011	3165533
	12-034-BE-EPT	13774891.9	9/27/2013	2900674
	13-006-BE-EPT	13753495.4	8/20/2013	2884999
	14-010-BE-EPT	14830770.5	12/22/2014	3083671
	15-009-BE-EPT	14863490.0	11/21/2014	3071593
	16-022-BE-EPT	17714373.2	3/17/2017	3430038
Bosnia & Herzegovina	13-006-BA-EPT	13753495.4	8/20/2013	2884999
	11-029-BR-PCT	BR112013024395-3	3/23/2012	BR112013024395-3
Brazil	11-044-BR-PCT	BR112014011417-0	11/9/2012	BR112014011417-0
	12-026-BR-PCT	BR112014027374-0	5/2/2013	
	13-006-BR-PCD	BR122020002986-2	8/20/2013	
	13-006-BR-PCD2	BR1220200029889	8/20/2013	
	13-006-BR-PCT	BR112015002816-0	8/20/2013	
	13-029-BR-PCT	BR1120160183231	2/10/2015	
	14-006-BR-PCT	BR 1120160285379	6/3/2015	
	14-010-BR-PCD	TAGGED CHIMERIC EFFECTOR		

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Country	Fred Hutch Ref.	Serial No. or Title	File Date	Patent No.
Bulgaria		MOLECULES AND RECEPTORS THEREOF		
	14-010-BR-PCT	BR1120160141563	12/22/2014	
	14-016-BR-PCT	BR1120160098986	10/31/2014	
	15-006-BR-PCT	BR1120170189194	3/4/2016	
	15-008-BR-PCD	BR122021000068-9	10/27/2015	
	15-008-BR-PCT	BR1120170087103	10/27/2015	
	15-009-BR-PCT	BR1120160115678	11/21/2014	
	15-030-BR-PCT	BR1120180712213	4/14/2017	
	16-010-BR-PCT	BR1120170065312	9/28/2015	
	16-022-BR-PCT	BR1120180679771	3/17/2017	
	16-027-BR-PCT	BR1120180113271	12/5/2016	
	16-078-BR-PCT	BR112018074406-9	6/6/2017	
	17-007-BR-PCT	BR1120190056335	9/22/2019	
	17-057-BR-PCT	BR1120190171207	2/16/2018	
	17-079-BR-PCT	BR1120190188630	3/15/2018	
	18-015-BR-PCT	BR1120210038302	8/28/2019	
	18-024-BR-PCT	BR1120200078239	10/19/2018	
	18-039-BR-PCT	BR1120210089730	11/8/2019	
	18-092-BR-PCT	BR112020016330-9	2/12/2019	
	18-095-BR-PCT	BR1120200088129	11/6/2018	
	19-001-BR-PCT	BR1120210030310	8/21/2019	
	19-103-BR-PCT	BR1120210177035	3/10/2020	
	19-132-BR-PCT	RECOMBINANT AD35 VECTORS TARGETING CD46 FOR IN VIVO GENE EDITING OF HEMATOPOIETIC STEM CELLS AND RELATED GENE THERAPY IMPROVEMENTS		
	00239-BG-EPT	05852204.6	11/23/2005	1814580
	13-006-BG-EPT	13753495.4	8/20/2013	2884999
	14-010-BG-EPT	14830770.5	12/22/2014	3083671
Canada	00224-CA-PCD	2,733,144	12/15/2004	2,733,144
	00224-CA-PCD2	2,771,330	12/15/2004	2,771,330
	00224-CA-PCT	2,550,219	12/15/2004	
	00238-CA-NP	2,252,799	10/17/2005	
	07-014-CA-PCT	2,670,433	10/12/2007	2,670,433
	07-033-CA-PCD	2,941,187	8/14/2008	2,941,187
	07-033-CA-PCT	2,696,209	8/14/2008	2,696,209

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Country	Fred Hutch Ref.	Serial No. or Title	File Date	Patent No.
	08-012-CA-PCT	2,713,462	1/28/2009	2,713,462
	09-021-CA-PCT	2,765,949	6/4/2010	2,765,949
	10-010-CA2-PCT	2,799,169	2/4/2011	2,799,169
	10-010-CA-PCT	2,788,824	2/4/2011	2,788,824
	10-022-CA-PCT	2,795,765	4/6/2011	2,795,765
	10-028-CA2-PCD	3,090,548	4/11/2011	
	10-028-CA2-PCT	2,795,938	4/11/2011	2,795,938
	10-028-CA-PCD	COMPOSITIONS AND METHODS FOR PROVIDING HEMATOPOIETIC FUNCTION WITHOUT HLA MATCHING		
	10-028-CA-PCT	2,795,627	4/11/2011	
	11-029-CA-PCT	2,830,953	3/23/2012	
	11-044-CA-PCT	2,855,358	11/9/2012	2,855,358
	12-026-CA-PCT	2,872,471	5/2/2013	
	12-033-CA-PCT	2,853,088	10/19/2012	2,853,088
	12-034-CA-PCT	2,885,828	9/27/2013	
	13-006-CA-PCT	2,881,981	8/20/2013	
	13-028-CA-PCT	2,897,499	1/7/2014	
	13-029-CA-PCT	2,937,800	2/10/2015	
	14-006-CA-PCT	2,949,981	6/3/2015	
	14-010-CA-PCT	2,933,707	12/22/2014	
	14-013-CA-PCT	2,938,739	2/9/2015	
	14-014-CA-PCT	2,956,545	7/30/2015	
	14-016-CA-PCT	2,929,087	10/31/2014	
	15-006-CA-PCT	2,978,186	3/4/2016	
	15-008-CA-PCT	2,965,347	10/27/2015	
	15-009-CA-PCT	2,930,847	11/21/2014	
	15-029-CA-PCT	2,979,726	4/1/2016	
	15-030-CA-PCT	3,020,857	4/14/2017	
	16-005-CA-PCT	3,012,827	2/2/2017	
	16-007-CA-PCT	3,002,903	10/21/2016	
	16-010-CA-PCT	2,963,089	9/28/2015	
	16-022-CA-PCT	3,015,369	3/17/2017	
	16-024-CA-PCT	2,966,201	10/29/2015	
	16-027-CA-PCT	3,005,767	12/5/2016	
	16-038-CA-PCT	2,968,543	11/24/2015	
	16-039-CA-PCT	3,050,264	1/24/2018	
	16-054-CA-PCT	3,022,267	5/4/2017	

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Country	Fred Hutch Ref.	Serial No. or Title	File Date	Patent No.
	16-057-CA-PCT	2,976,580	2/24/2016	
	16-060-CA-PCT	3,021,455	4/20/2017	
	16-061-CA-PCT	2,961,535	9/17/2015	
	16-078-CA-PCT	3,024,725	6/6/2017	
	17-007-CA-PCT	3,035,075	9/22/2017	
	17-010-CA-PCT2	3,038,723	8/28/2017	
	17-010-CA-PCT3	3,038,670	8/28/2017	
	17-020-CA-PCT	3,049,244	1/5/2018	
	17-030-CA-PCT	3,049,262	1/18/2018	
	17-044-CA-PCT	2,858,070	12/7/2012	2,858,070
	17-047-CA-PCT2	2,906,218	3/17/2014	
	17-048-CA-PCT	3,071,661	9/6/2018	
	17-049-CA-PCT	3,072,908	9/6/2018	
	17-055-CA-PCT	2,974,395	2/5/2016	
	17-057-CA-PCT	3,052,779	2/16/2018	
	17-058-CA-PCT	3,070,855	8/10/2018	
	17-070-CA-PCT	3,055,784	3/16/2018	
	17-078-CA-PCT	3,052,474	2/9/2018	
	17-079-CA-PCT	3,055,983	3/15/2018	
	17-085-CA-PCT	3,042,890	11/14/2017	
	17-116-CA-PCT	3,102,054	6/5/2018	
	18-010-CA-PCT	3,077,270	9/25/2018	
	18-015-CA-PCT	3,110,089	8/28/2019	
	18-024-CA-PCT	3,079,681	10/19/2018	
	18-031-CA-PCT	3,091,138	2/21/2019	
	18-039-CA-PCT	3,119,188	11/8/2019	
	18-073-CA-PCT	3,088,122	1/18/2019	
	18-091-CA-PCT	3,097,143	4/19/2019	
	18-092-CA-PCT	3,090,700	2/12/2019	
	18-095-CA-PCT	3,080,395	11/6/2018	
	18-096-CA-PCT	3,104,034	5/1/2019	
	18-157-CA-PCT	3,120,466	12/13/2019	
	19-001-CA-PCT	3,109,496	8/21/2019	
	19-031-CA-PCT	3,102,792	6/7/2019	
	19-049-CA-PCT	3,121,800	12/5/2019	
	19-103-CA-PCT	3,132,845	3/10/2020	
	19-108-CA-PCT	3,140,064	5/18/2020	
	19-117-CA-PCT	3,130,618	2/19/2020	
	19-132-CA-PCT	3,138,188	7/2/2020	
	19-135-CA-PCT	3,134,539	4/4/2020	

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Country	Fred Hutch Ref.	Serial No. or Title	File Date	Patent No.
Chile China	19-146-CA-PCT	3,128,507	2/6/2020	
	20-002-CA-PCT	3,147,717	8/19/2020	
	15-030-CL-PCT	02905-2018	10/11/2018	
	07-033-CN-PCD	201210488472.7	8/14/2008	ZL 2012104884727
	07-033-CN-PCT	200880107108.3	8/14/2008	ZL200880107108.3
	09-021-CN-PCT	201080028875.2	6/4/2010	ZL201080028875.2
	10-010-CN2-PCD	201710180111.9	2/4/2011	ZL201710180111.9
	10-010-CN2-PCT	201180031651.1	2/4/2011	ZL 201180031651.1
	10-010-CN-PCD	201610856180.2	2/4/2011	ZL201610856180.2
	10-010-CN-PCT	201180012427.8	2/4/2011	ZL201180012427.8
	11-029-CN-PCD	201610547404.1	3/23/2012	
	11-029-CN-PCD2	201910493274.1	3/23/2012	
	11-044-CN-PCD	201710155433.8	11/9/2012	CN107011426
	11-044-CN-PCD2	201711200914.2	11/9/2012	ZL201711200914.2
	11-044-CN-PCT	201280066607.9	11/9/2012	
	12-026-CN-PCD	201710783710.X	5/2/2013	ZL201710783710.X
	12-026-CN-PCT	201380030757.9	5/2/2013	ZL201380030757.9
	13-006-CN-PCT	201380054794.3	8/20/2013	
	13-029-CN-PCT	201580012323.5	2/10/2015	ZL201580012323.5
	14-006-CN-PCT	Z201580030014.0	6/3/2015	ZL 201580030014.0
	14-010-CN-PCD	202110592499.X	12/22/2014	
	14-010-CN-PCT	201480075007.8	12/22/2014	105950402
	14-014-CN-PCT	201580049647.6	7/30/2015	ZL201580049647.6
	14-016-CN-PCT	201480071639.7	10/31/2014	
	15-006-CN-PCT	201680023758.4	3/4/2016	
	15-008-CN-PCT	201580071144.9	10/27/2015	ZL201580071144.9
	15-009-CN-PCT	201480071635.9	11/21/2014	ZL 201480071635.9
	15-030-CN-PCT	201780023532.9	4/14/2017	
	15-033-CN-PCT	201680053482.4	9/9/2016	
	16-005-CN-PCT	201780009313.5	2/2/2017	
	16-010-CN-PCD	202010969631.X	9/28/2015	
	16-010-CN-PCT	201580052330.8	9/28/2015	ZL 201580052330.8
	16-022-CN-PCT	201780018083.9	3/17/2017	
	16-027-CN-PCT	201680078228.X	12/5/2016	
	16-060-CN-PCT	201780037786.6	4/20/2017	
	16-061-CN-PCT	201580055569.0	9/17/2015	
	16-078-CN-PCT	201780046873.8	6/6/2017	
	17-007-CN-PCT	201780058434.9	9/22/2017	

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Country	Fred Hutch Ref.	Serial No. or Title	File Date	Patent No.
	17-020-CN-PCT	201880005741.5	1/5/2018	
	17-021-CN-PCT	201780079628.7	12/21/2017	
	17-047-CN-PCT2	201480025490.9	3/17/2014	ZL 2014800254909
	17-048-CN-PCT	201880057804.1	9/6/2018	
	17-049-CN-PCT	201880058176.9	9/6/2018	
	17-055-CN-PCT	COMPOUNDS AND METHODS FOR PREVENTING OR TREATING SENSORY HAIR CELL DEATH		
	17-057-CN-PCT	201880012364.8	2/16/2018	
	17-058-CN-PCT	201880066631.X	8/10/2018	
	17-059-CN-PCT	201980065851.5	10/4/2019	
	17-070-CN-PCT	201880030106.2	3/16/2018	
	17-079-CN-PCT	201880026621.3	3/15/2018	
	18-010-CN-PCT	201880074976.X	9/25/2018	
	18-015-CN-PCT	201980071074.5	8/28/2019	
	18-021-CN-PCT	201880058192.8	9/6/2018	
	18-024-CN-PCT	201880080021.5	10/19/2018	
	18-031-CN-PCT	201980028403.8	2/21/2019	
	18-039-CN-PCT	201980088274.1	11/8/2019	
	18-073-CN-PCT	201980009095.4	1/18/2019	
	18-092-CN-PCT	201980025483.1	2/12/2019	
	18-095-CN-PCT	201880085182.3	11/6/2018	
	18-096-CN-PCT	201980029594.X	5/1/2019	
	18-157-CN-PCT	201980089966.8	12/13/2019	
	19-001-CN-PCT	201980070018.X	8/21/2019	
	19-031-CN-PCT	201980049776.3	6/7/2019	
	19-049-CN-PCT	201980088336.9	12/5/2019	
	19-103-CN-PCT	202080033281.4	3/10/2020	
	19-108-CN-PCT	202080051511.X	5/18/2020	
	19-117-CN-PCT	202080030201.X	2/19/2020	
	19-132-CN-PCT	RECOMBINANT AD35 VECTORS TARGETING CD46 FOR IN VIVO GENE EDITING OF HEMATOPOIETIC STEM CELLS AND RELATED GENE THERAPY IMPROVEMENTS		
	19-135-CN-PCT	202080026218.8	4/4/2020	

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Costa Rica	15-030-CR-PCT	2018-503	10/29/2018	
Croatia	13-006-HR-EPT	13753495.4	8/20/2013	2884999
Cyprus	14-010-HR-EPT	14830770.5	12/22/2014	3083671
	00239-CY-EPT	05852204.6	11/23/2005	1814580
	13-006-CY-EPT	13753495.4	8/20/2013	2884999
Czech Republic	14-010-CY-EPT	14830770.5	12/22/2014	3083671
	00238-CZ-EPT	05256463.0	10/18/2005	1652937
	13-006-CZ-EPT	13753495.4	8/20/2013	2884999
Denmark	14-010-CZ-EPT	14830770.5	12/22/2014	3083671
	00238-DK-EPT	05256463.0	10/18/2005	1652937
	00239-DK-EPT	05852204.6	11/23/2005	1814580
Estonia	12-034-DK-EPT	13774891.9	9/27/2013	2900674
	13-006-DK-EPT	13753495.4	8/20/2013	2884999
	14-010-DK-EPT	14830770.5	12/22/2014	3083671
Eurasian Patent Organization	15-009-DK-EPT	14863490.0	11/21/2014	3071593
	16-022-DK-EPT	17714373.2	3/17/2017	3430038
	00239-EE-EPT	05852204.6	11/23/2005	1814580
Europe	13-006-EE-EPT	13753495.4	8/20/2013	2884999
	14-010-EE-EPT	14830770.5	12/22/2014	3083671
	15-030-EA-PCT	201892326	4/14/2017	
Europe	17-007-EA-PCT	201990591	9/22/2017	
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	19-103-EA-PCT	202192252	3/10/2020	
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	08-012-EP-EPT	09705748.3	1/28/2009	2245142
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	09-021-EP-EPT	10722512.0	6/4/2010	2446052
	09-021-EP-ETD	18184843.3	6/4/2010	
	10-010-EP2-EPT	11780950.9	2/4/2011	2569330
	10-010-EP2-ETD	16189999.2	2/4/2011	3165533
	10-010-EP-EPT	11740464.0	2/4/2011	2531206
	10-010-EP-ETD	17173578.0	2/4/2011	
	10-022-EP-EPT	11766677.6	4/6/2011	2560637
	10-028-EP2-ETD	16162911.8	4/11/2011	3097916
	10-028-EP-ETD	16166225.9	4/11/2011	3097917
	10-028-EP-ETD2	19191594.1	4/11/2011	3590520
	11-003-EP-EPT	11818806.9	8/18/2011	2606152
	11-003-EP-ETD2	19190336.8	8/18/2011	3636778
	11-003-EP-ETD3	22150754.4	8/18/2011	
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	12-004-EP-EPT	12772551.3	8/9/2012	2742138
	12-020-EP-EPT	13706397.0	2/15/2013	2814959
	12-020-EP-ETD	18150361.6	2/15/2013	3363901
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	12-026-EP-EPT	13784884.2	5/2/2013	2844743
	12-026-EP-ETD	ENHANCED AFFINITY T CELL RECEPTORS AND METHODS FOR MAKING THE SAME		
	12-033-EP-EPT	12841014.9	10/19/2012	
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	13-025-EP-EPT	14737656.0	1/14/2014	2943565
	13-029-EP-EPT	15746855.4	2/10/2015	
	13-044-EP-EPT	15170244.6	6/2/2015	
	14-006-EP-EPT	15729698.9	6/3/2015	3152301
	14-010-EP-EPT	14830770.5	12/22/2014	3083671
	14-014-EP-EPT	15753531.1	7/30/2015	3177314
	14-016-EP-EPT	14859129.0	10/31/2014	
	14-029-EP-EPT	15764167.1	3/18/2015	3119909
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	15-015-EP-EPT	16740786.5	1/21/2016	3247808
	15-029-EP-EPT	16774304.6	4/1/2016	
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	15-035-EP-ETD	21199232.6	4/29/2016	
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	15-040-EP-ETD	Lipocalin Fusion Partners		
	16-005-EP-EPT	17705745.2	2/2/2017	3411408
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	16-007-EP-EPT	16858357.3	10/21/2016	
	16-010-EP-EPT	15846121.0	9/28/2015	
	16-011-EP-EPT	17828588.8	7/14/2017	
	16-018-EP-EPT	16871620.7	12/2/2016	3383422
	16-018-EP-ETD	21189976.0	12/2/2016	
	16-022-EP-EPT	17714373.2	3/17/2017	3430038
	16-022-EP-ETD	21179474.8	3/17/2017	
	16-024-EP-EPT	15854358.7	10/29/2015	3212790
	16-027-EP-EPT	16871697.5	12/5/2016	
	16-028-EP-EPT	16822558.9	12/2/2016	3384294
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	16-032-EP-EPT	16826275.6	12/23/2016	
	16-038-EP-ETD	18201635.2	11/24/2015	
	16-039-EP-EPT	18744598.6	1/24/2018	
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	16-057-EP-EPT	16756268.5	2/24/2016	3262196
	16-057-EP-ETD	19188465.9	2/24/2016	
	16-060-EP-EPT	17724147.8	4/20/2017	
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	16-070-EP-EPT	17814207.1	6/16/2017	
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	17-007-EP-ETD	TCRS SPECIFIC FOR MINOR HISTOCOMPATIBILITY (H) ANTIGEN HA-1 AND USES THEREOF		
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	17-021-EP-EPT	17883391.9	12/21/2017	
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	17-038-EP-EPT	15779750.7	3/5/2015	3132059
	17-044-EP-EPT	12856015.8	12/7/2012	2788509
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	17-047-EP-EPT2	14722474.5	3/17/2014	2971105
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	19-103-EP-EPT	20716656.2	3/10/2020	
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	19-113-EP-EPT	20767419.3	2/28/2020	
	19-117-EP-EPT	20712746.5	2/19/2020	
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	19-138-EP-EPT	20865727.0	9/15/2020	
	19-144-EP-EPT	ENGINEERED TRIMERIC CD70 PROTEINS AND USES THEREOF		
	19-146-EP-EPT	20709104.2	2/6/2020	
	20-002-EP-EPT	20771665.5	8/19/2020	
	20-010-EP-EPT	20847148.2	7/28/2020	
	20-092-EP-EPT	18780929.8	4/9/2018	
	20-104-EP-EPT	BASE EDITOR- MEDIATED CD33 REDUCTION TO SELECTIVELY PROTECT THERAPEUTIC CELLS		
Finland	00238-FI-EPT	05256463.0	10/18/2005	1652937
	13-006-FI-EPT	13753495.4	8/20/2013	2884999
	14-010-FI-EPT	14830770.5	12/22/2014	3083671
France	00224-FR-EPT	10180473.0	12/15/2004	2360472
	00224-FR-EPT2	10180481.3	12/15/2004	2333541
	00224-FR-ETD3	15163430.0	12/15/2004	2944957
	00224-FR-ETD4	18184740.1	12/15/2004	3438287
	00238-FR-EPT	05256463.0	10/18/2005	1652937
	00239-FR-EPT	05852204.6	11/23/2005	1814580
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	07-014-FR-EPT	07852711.6	10/12/2007	2099902
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	08-012-FR-EPT	09705748.3	1/28/2009	2245142
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	10-028-FR-ETD2	19191594.1	4/11/2011	3590520
	11-003-FR-EPT	11818806.9	8/18/2011	2606152
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	16-005-FR-EPT	17705745.2	2/2/2017	3411408
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	13-025-DE-EPT	60 2014 022 985.9	1/14/2014	2943565
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	17-047-DE-EPT2	60 2014 029 513.4	3/17/2014	2971105
Greece	00239-GR-EPT	05852204.6	11/23/2005	1814580
	12-020-GR-EPT	13706397.0	2/15/2013	3095454
	13-006-GR-EPT	13753495.4	8/20/2013	2884999
	14-010-GR-EPT	14830770.5	12/22/2014	3083671
	15-009-GR-EPT	14863490.0	11/21/2014	3071593
Hong Kong	08-012-HK-EP	19119550.2	1/28/2009	
	09-021-HK-EPT	12109690.0	6/4/2010	1169147
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	11-044-HK-EPT	15102337.1	11/9/2012	HK1201854
	12-020-HK-ETD	19119720.1	2/12/2019	1259880
	12-026-HK-EPT	15108593.7	5/2/2013	HK1208050B
	12-033-HK-EPT	15101905.5	10/19/2012	
	13-006-HK-EPT	15112593.9	8/20/2013	HK1212205B
	13-006-HK-ETD	42021042134.3	8/20/2013	
	13-029-HK-EPT	17104883.3	2/10/2015	
	14-006-HK-EPT	17109471.0	6/3/2015	1235820 B
	14-010-HK-EPT	17104210.7	12/22/2014	1230628
	15-006-HK-EP	18105732.2	3/4/2016	
	15-009-HK-EPT	17101926.8	11/21/2014	HK 1228412
	15-030-HK-EPT	19123685.0	5/13/2019	
	16-005-HK-EPT	19123630.6	2/2/2017	
	16-007-HK-EPT	19100680.4	1/15/2019	
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	16-027-HK-EPT	19120974.1	12/5/2016	
	16-028-HK-EPT	19121076.4	12/2/2016	3384294
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	17-007-HK-EP	62020001852.6	9/22/2017	
	17-020-HK-EPT	62020006242.5	8/5/2019	
	17-048-HK-EP	62021023704.1	9/6/2018	
	17-049-HK-EP	62021023492.3	9/6/2018	
	17-057-HK-EP	62020008656.4	2/16/2018	
	17-070-HK-EP	62020007221.8	3/16/2018	
	17-079-HK-EP	62020010497.9	3/15/2018	
	18-013-HK-EP	62021026090.2	10/19/2018	
	18-024-HK-CN	62021023651.4	10/19/2018	
	18-024-HK-EPT	62021024387.4	10/19/2018	
	18-039-HK-CN	62022047720.7	11/8/2019	
	18-073-HK-EPT	62021030785.1	1/18/2019	
	18-092-HK-EPT	62021032181.1	2/12/2019	
	18-095-HK-EP	62021026335.1	11/6/2018	
	18-096-HK-EPT	62021037568.4	5/1/2019	
	18-140-HK-EPT	62021039256.4	5/15/2019	
	19-001-HK-EPT	62021044289.8	8/21/2019	

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	00239-HU-EPT	05852204.6	11/23/2005	1814580
	13-006-HU-EPT	13753495.4	8/20/2013	2884999
	14-010-HU-EPT	14830770.5	12/22/2014	3083671
Iceland	13-006-IS-EPT	13753495.4	8/20/2013	2884999
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India	10-010-IN-PCD	201818033399	2/4/2011	
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	11-029-IN-PCT	8359/DELNP/2013	3/23/2012	327088
	11-044-IN-PCD	201918024448	11/9/2012	
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	12-034-IN-PCT	2760/DELNP/2015	9/27/2013	310488
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	14-010-IN-PCT	201617021884	12/22/2014	
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	17-079-IN-PCT	201917036437	3/15/2018	
	18-010-IN-PCT	202047017038	9/25/2018	
	18-015-IN-PCT	202147012550	8/28/2019	
	18-039-IN-PCT	202117025335	11/8/2019	
	18-073-IN-PCT	202017034814	1/18/2019	
	18-095-IN-PCT	202017019329	11/6/2018	
	19-001-IN-PCT	202117011882	8/21/2019	
	19-103-IN-PCT	202117046026	3/10/2020	
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	20-002-IN-PCT	T-CELL IMMUNOTHERAPY SPECIFIC FOR WT-1		
Indonesia	11-029-ID-PCD	P-00201706224	3/23/2012	
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	17-057-ID-PCT	P00201908061	2/16/2018	
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	07-033-IE-EPT	08797923.3	8/14/2008	2178585
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	13-006-IE-EPT	13753495.4	8/20/2013	2884999
	14-006-IE-EPT	15729698.9	6/3/2015	3152301
	14-010-IE-EPT	14830770.5	12/22/2014	3083671
	15-009-IE-EPT	14863490.0	11/21/2014	3071593
	16-022-IE-EPT	17714373.2	3/17/2017	3430038
	16-024-IE-EPT	15854358.7	10/29/2015	3212790
	16-057-IE-EPT	16756268.5	2/24/2016	3262196
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Israel	00224-IL-PCT	176258	12/15/2004	
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	10-010-IL-PCT	221278	2/4/2011	221278
	11-029-IL-PCT	228603	3/23/2012	228603
	11-044-IL-PCD	CYCLIN A1-TARGETED T-CELL IMMUNOTHERAPY FOR CANCER		
	11-044-IL-PCT	232516	11/9/2012	
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	14-010-IL-PCT	245845	12/22/2014	245845
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Italy	15-006-IL-PCT	254165	3/4/2016	254165
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	19-132-IL-PCT	289518	7/2/2020	
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	15-033-JP-PCD	2021-172263	9/9/2016	
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	15-035-JP-PCD	2021-109884	4/29/2016	
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	16-005-JP-PCD	2021-196080	2/2/2017	
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	16-022-JP-PCD	2021-172976	3/17/2017	
	16-022-JP-PCT	2018-548420	3/17/2017	
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	16-054-JP-PCD	2022-29582	5/4/2017	
	16-054-JP-PCT	2018-557312	5/4/2017	
	16-060-JP-PCT	2018-554677	4/20/2017	
	16-061-JP-PCT	Compounds And Methods For Enhancing Viral Gene Transfer To Human Hematopoietic Cells		
	16-078-JP-PCD	2021-199037	6/6/2017	
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	17-010-JP-PCT2	2019-516989	8/28/2017	
	17-020-JP-PCT	2019-536560	1/5/2018	
	17-021-JP-PCT	2019-534814	12/21/2017	
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	17-047-JP-PCT2	2016-502574	3/17/2014	6431895
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	17-057-JP-PCT	2019-543977	2/16/2018	
	17-058-JP-PCT	2020-506978	8/10/2018	
	17-059-JP-PCT	2021-518442	10/4/2019	
	17-070-JP-PCT	2019-550246	3/16/2018	
	17-079-JP-PCD	2021-39957	3/15/2018	
	17-079-JP-PCT	2019-550622	3/15/2018	
	17-098-JP-PCT	2019-558574	4/27/2018	
	18-010-JP-PCT	2020-517134	9/25/2018	
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	18-015-JP-PCT	2021-510707	8/28/2019	
	18-021-JP-PCT	2020-513340	9/6/2018	
	18-024-JP-PCT	2020-522004	10/19/2018	
	18-031-JP-PCT	2020-544661	2/21/2019	
	18-039-JP-PCT	2021-524371	11/8/2019	
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	18-157-JP-PCT	2021-533535	12/13/2019	
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	19-117-JP-PCT	2021-548696	2/19/2020	
	19-132-JP-PCT	2022-500051	7/2/2020	
	19-135-JP-PCT	2021-559096	4/4/2020	
	19-146-JP-PCT	2021-545846	2/6/2020	

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	11-044-KR-PCT	10-2014-7015165	11/9/2012	10-2134932
	12-026-KR-PCD	10-2021-7000921	5/2/2013	10-2276888
	13-006-KR-PCD	10-2020-7020177	8/20/2013	10-2264290
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	13-029-KR-PCT	10-2016-7021696	2/10/2015	10-2304113
	14-006-KR-PCT	10-2016-7036821	6/3/2015	
	14-010-KR-PCT	10-2016-7017510	12/22/2014	
	14-016-KR-PCT	10-2016-7014445	10/31/2014	
	15-006-KR-PCT	10-2017-7027794	3/4/2016	
	15-008-KR-PCT	10-2017-7013868	10/27/2015	10-2357004
	15-009-KR-PCT	10-2016-7016132	11/21/2014	
	15-030-KR-PCT	10-2018-7032542	4/14/2017	
	16-010-KR-PCT	10-2017-7011299	9/28/2015	
	16-022-KR-PCD	10-2022-7005550	3/17/2017	
	16-022-KR-PCT	10-2018-7026926	3/17/2017	10-2366611
	16-027-KR-PCT	10-2018-7018203	12/5/2016	
	16-078-KR-PCT	10-2019-7000351	6/6/2017	
	17-007-KR-PCT	10-2019-7007945	9/22/2017	
	17-049-KR-PCT	10-2020-7008859	9/6/2018	
	17-055-KR-PCT	COMPOUNDS AND METHODS FOR PREVENTING OR TREATING SENSORY HAIR CELL DEATH		
	17-057-KR-PCT	10-2019-7026745	2/16/2018	
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Latvia	19-001-KR-PCT	IMMUNOTHERAPY TARGETING KRAS OR HER2 ANTIGENS		
	19-031-KR-PCT	10-2021-7000098	6/7/2019	
	19-049-KR-PCT	10-2021-7020936	12/5/2019	
	19-103-KR-PCT	10-2021-7032466	3/10/2020	
	19-117-KR-PCT	10-2021-7030168	2/19/2020	
	19-132-KR-PCT	10-2022-7003415	7/2/2020	
	19-135-KR-PCT	10-2021-7034537	4/4/2020	
	20-002-KR-PCT	T-CELL IMMUNOTHERAPY SPECIFIC FOR WT-1		
Lithuania	13-006-LV-EPT	13753495.4	8/20/2013	2884999
	14-010-LV-EPT	14830770.5	12/22/2014	3083671
Luxembourg	00239-LT-EPT	05852204.6	11/23/2005	1814580
	13-006-LT-EPT	13753495.4	8/20/2013	2884999
	14-010-LT-EPT	14830770.5	12/22/2014	3083671
	12-020-LU-EPT	13706397.0	2/15/2013	2814959
Macau	13-006-LU-EPT	13753495.4	8/20/2013	2884999
	14-010-LU-EPT	14830770.5	12/22/2014	3083671
	10-010-MO-CN	J/004310	2/4/2011	
Macedonia	16-010-MO-CN	J/004573	9/28/2015	
	13-006-MK-EPT	13753495.4	8/20/2013	2884999
Malaysia	14-010-MK-EPT	14830770.5	12/22/2014	3083671
	14-010-MY-PCT	PI2016001073	12/22/2014	MY-178233-A
	15-006-MY-PCD	PI2021007596	3/4/2016	
	15-006-MY-PCT	PI2017001281	3/4/2016	
	15-009-MY-PCT	PI2016000851	11/21/2014	MY-188441-A
	17-057-MY-PCT	PI2019004734	2/16/2018	
	19-132-MY-PCT	RECOMBINANT AD35 VECTORS TARGETING CD46 FOR IN VIVO GENE EDITING OF HEMATOPOIETIC STEM CELLS AND RELATED GENE THERAPY IMPROVEMENTS		
	13-006-MT-EPT	13753495.4	8/20/2013	2884999
Malta	14-010-MT-EPT	14830770.5	12/22/2014	3083671
Mexico	11-029-MX-PCD	MX/a/2018/011917	3/23/2012	
	11-029-MX-PCT	MX/a/2013/010793	3/23/2012	359513
	11-044-MX-PCT	MX/a/2014/005633	11/9/2012	359234

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	12-026-MX-PCT	MX/a/2014/013270	5/2/2013	361760
	13-006-MX-PCD	MX/a/2020/012744	8/20/2013	
	13-006-MX-PCD2	MX/a/2020/012742	8/20/2013	
	13-006-MX-PCT	MX/a/2015/002101	8/20/2013	380109
	13-029-MX-PCT	MX/A/2016/010328	2/10/2015	386702
	14-010-MX-PCT	MX/a/2016/007927	12/22/2014	
	14-016-MX-PCT	MX/a/2016/005689	10/31/2014	
	15-006-MX-PCT	MX/a/2017/011201	3/4/2016	
	15-008-MX-PCT	MX/a/2017/005344	10/27/2015	
	15-009-MX-PCT	MX/a/2016/006620	11/21/2014	
	15-030-MX-PCT	MX/a/2018/012556	4/14/2017	
	16-005-MX-PCT	MX/a/2018/009011	2/2/2017	
	16-010-MX-PCD	MX/a/2020/005446	9/28/2015	
	16-010-MX-PCT	MX/a/2017/004148	9/28/2015	
	16-022-MX-PCT	MX/a/2018/010415	3/17/2017	
	16-027-MX-PCT	MX/a/2018/006828	12/5/2016	
	16-078-MX-PCT	MX/s/2018/014911	6/6/2017	
	17-007-MX-PCT	MX/a/2019/003176	9/22/2017	
	17-057-MX-PCT	MX/a/2019/009552	2/16/2018	
	17-058-MX-PCT	MX/a/2020/001287	8/10/2018	
	17-070-MX-PCT	MX/a/2019/010812	3/16/2018	
	17-079-MX-PCT	MX/a/2019/010972	3/15/2018	
	18-024-MX-PCT	MX/a/2020/004063	10/19/2018	
	18-039-MX-PCT	MX/a/2021/005308	11/8/2019	
	18-092-MX-PCT	MX/a/2020/008403	2/12/2019	
	18-095-MX-PCT	MX/a/2020/004568	11/6/2018	
	19-001-MX-PCT	MX/a/2021/001938	8/21/2019	
	19-031-MX-PCT	MX/A/2020/013306	6/7/2019	
	19-103-MX-PCT	MX/a/2021/010837	3/10/2020	
	19-132-MX-PCT	MX/a/2021/015433	7/2/2020	
	19-135-MX-PCT	MX/a/2021/012236	4/4/2020	
Monaco	13-006-MC-EPT	13753495.4	8/20/2013	2884999
	14-010-MC-EPT	14830770.5	12/22/2014	3083671
Montenegro	13-006-ME-EPT	13753495.4	8/20/2013	2884999
Netherlands	00224-NL-ETD3	15163430.0	12/14/2004	2944957
	00238-NL-EPT	05256463.0	10/18/2005	1652937
	00243-NL-EPT	06739100.3	3/20/2006	1877428
	07-014-NL-EPT	07852711.6	10/12/2007	2099902
	07-033-NL-EPT	08797923.3	8/14/2008	2178585
	08-012-NL-EPT	09705748.3	1/28/2009	2245142

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Country	Fred Hutch Ref.	Serial No. or Title	File Date	Patent No.
New Zealand	08-012-NL-ETD	17209395.7	1/28/2009	3363893
	10-010-NL2-EPT	11780950.9	2/4/2011	2569330
	10-010-NL2-ETD	16189999.2	2/4/2011	3165533
	10-028-NL2-ETD	16162911.8	4/11/2011	3097916
	10-028-NL-ETD	16166225.9	4/11/2011	3097917
	10-028-NL-ETD2	19191594.1	4/11/2011	3590520
	11-003-NL-ETD2	19190336.8	8/18/2011	3636778
	11-044-NL-EPT	12848741.0	11/9/2012	2776451
	13-006-NL-EPT	13753495.4	8/20/2013	2884999
	14-006-NL-EPT	15729698.9	6/3/2015	3152301
	14-010-NL-EPT	14830770.5	12/22/2014	3083671
	14-029-NL-EPT	15764167.1	3/18/2015	3119909
	15-009-NL-EPT	14863490.0	11/21/2014	3071593
	15-015-NL-EPT	16740786.5	1/21/2016	3247808
	16-022-NL-EPT	17714373.2	3/17/2017	3430038
	16-024-NL-EPT	15854358.7	10/29/2015	3212790
	16-057-NL-EPT	16756268.5	2/25/2016	3262196
	17-038-NL-EPT	15779750.7	3/5/2015	3132059
	11-029-NZ-PCD	714574	3/23/2012	714574
	11-029-NZ-PCD2	726162	3/23/2012	726162
	11-029-NZ-PCD3	743310	3/23/2012	
	11-044-NZ-PCD	723130	11/9/2012	723130
	11-044-NZ-PCT	624549	11/9/2012	624549
	12-026-NZ-PCD2	740775	5/2/2013	740775
	12-026-NZ-PCT	702108	5/2/2013	702108
	13-006-NZ-PCD	738636	8/20/2013	738636
	13-006-NZ-PCD2	745372	8/20/2013	745372
	13-006-NZ-PCD3	745374	8/20/2013	745374
	13-006-NZ-PCD4	745375	8/20/2013	745375
	13-006-NZ-PCD5	745376	8/20/2013	745376
	13-029-NZ-PCT	721500	2/10/2015	
	14-010-NZ-PCD	759969	12/22/2014	
	14-010-NZ-PCT	720520	12/22/2014	
	14-016-NZ-PCD	758715	10/31/2014	
	14-016-NZ-PCT	719840	10/31/2014	
	15-006-NZ-PCD	773404	3/4/2016	
	15-006-NZ-PCD2	773409	3/4/2016	
	15-006-NZ-PCT	735327	3/4/2016	
	15-008-NZ-PCD	769299	10/27/2015	
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Norway	15-009-NZ-PCT	719720	11/21/2014	719720
	15-030-NZ-PCD	Compositions And Methods To Program Therapeutic Cells Using Targeted Nucleic Acid Nanocarriers		
	15-030-NZ-PCT	748378	4/14/2017	
	16-010-NZ-PCT	729754	9/28/2015	
	16-022-NZ-PCD	786254	3/17/2017	
	16-022-NZ-PCT	744913	3/17/2017	
	16-027-NZ-PCT	742759	12/5/2016	
	16-078-NZ-PCT	749022	6/6/2017	
	17-057-NZ-PCT	756241	2/16/2018	
	17-058-NZ-PCT	761269	8/10/2018	
	17-085-NZ-PCT	753503	11/14/2017	
	18-024-NZ-PCT	764517	10/19/2018	
	18-039-NZ-PCT	776156	11/8/2019	
	19-001-NZ-PCT	773241	8/21/2019	
	19-031-NZ-PCT	771338	6/7/2019	
	19-049-NZ-PCT	776496	12/5/2019	
	19-103-NZ-PCT	780115	3/10/2020	
	13-006-NO-EPT	13753495.4	8/20/2013	2884999
	14-010-NO-EPT	14830770.5	12/22/2014	3083671
	16-022-NO-EPT	17714373.2	3/17/2017	3430038
Philippines	16-024-NO-EPT	15854358.7	10/29/2015	3212790
	16-057-NO-EPT	16756268.5	2/24/2016	3262196
	17-038-NO-EPT	15779750.7	3/5/2015	3132059
	12-026-PH-PCT	1-2014-502418	5/2/2013	1-2014-502418
	13-006-PH-PCD	1-2019-550223	8/20/2013	
Poland	13-006-PH-PCT	1-2015-500325	8/20/2013	
	17-057-PH-PCT	1-2019-550153	2/16/2018	
	00238-PL-EPT	05256463.0	10/18/2005	1652937
	00239-PL-EPT	05852204.6	11/23/2005	1814580
	12-020-PL-EPT	13706397.0	2/15/2013	2814959
Portugal	13-006-PL-EPT	13753495.4	8/20/2013	2884999
	14-010-PL-EPT	14830770.5	12/22/2014	3083671
	15-009-PL-EPT	14863490.0	11/21/2014	3071593
	00238-PT-EPT	05256463.0	10/18/2005	1652937
	13-006-PT-EPT	13753495.4	8/20/2013	2884999
	14-010-PT-EPT	14830770.5	12/22/2014	3083671

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Romania	15-009-PT-EPT	14863490.0	11/21/2014	3071593
	00239-RO-EPT	05852204.6	11/23/2005	1814580
	13-006-RO-EPT	13753495.4	8/20/2013	2884999
	14-010-RO-EPT	14830770.5	12/22/2014	3083671
	15-009-RO-EPT	14863490.0	11/21/2014	3071593
Russia	09-021-RU-PCT	2012101828	6/4/2010	2539032
	11-029-RU-PCT	2013147157	3/23/2012	2013147157
	11-044-RU-PCT	2014123995	11/9/2012	2632462
	12-026-RU-PCD	2018130123	5/2/2013	
	12-026-RU-PCT	2014148286	5/2/2013	2665548
	13-006-RU-PCD	2019126655	8/20/2013	
	13-006-RU-PCT	2015109631	8/20/2013	2700765
	13-029-RU-PCT	2016136411	2/10/2015	2728790
	14-010-RU-PCT	2016129045	12/22/2014	2729463
	14-016-RU-PCT	2016121174	10/31/2014	2733652
	15-006-RU-PCT	2017133637	3/4/2016	2755227
	15-008-RU-PCT	2017114174	10/27/2015	2716716
	15-009-RU-PCT	2016124179	11/21/2014	2740648
	16-022-RU-PCT	2018134300	3/17/2017	
	16-027-RU-PCT	2018124303	12/5/2016	2747728
	17-057-RU-PCT	2019128662	2/16/2018	
	17-085-RU-PCT	2019116312	11/14/2017	
	18-015-RU-PCT	2021108069	8/28/2019	
	19-001-RU-PCT	2021104042	8/21/2019	
San Marino	13-006-SM-EPT	SM-1-202100005	8/20/2013	2884999
	14-010-SM-EPT	SM-T-202000699	12/22/2014	3083671
Saudi Arabia	15-006-SA-PCT	517382216	3/4/2016	
	15-009-SA-PCT	516371174	11/21/2014	6437
Serbia	13-006-RS-EPT	13753495.4	8/20/2013	2884999
	14-010-RS-EPT	14830770.5	12/22/2014	3083671
Singapore	07-033-SG-PCD	201205995-2	8/14/2008	183726
	07-033-SG-PCT	201000956-1	8/14/2008	159135
	09-021-SG-PCD	10201403451Q	6/4/2010	10201403451Q
	11-029-SG-PCD	10201602253S	3/23/2012	
	12-026-SG-PCD	10201609210S	5/2/2013	
	12-026-SG-PCT	11201407175R	5/2/2013	
	13-006-SG-PCD	10201701339R	8/20/2013	
	13-006-SG-PCT	11201501259Q	8/20/2013	
	14-010-SG-PCD	10201804439P	12/22/2014	
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Slovakia	15-006-SG-PCD	10201908203S	3/4/2016	
	15-009-SG-PCD	10201804330Y	11/21/2014	
	15-030-SG-PCD	10202202026Q	3/1/2022	
	15-030-SG-PCT	11201807593T	4/14/2017	
	16-010-SG-PCD	10201902831U	9/28/2015	
	17-007-SG-PCT	11201902364Q	9/22/2017	
	17-047-SG-DIV2	10201707394P	3/17/2014	
	17-047-SG-PCT2	11201506991V	3/17/2014	
	17-057-SG-PCT	11201907580S	2/16/2018	
	17-079-SG-PCT	11201908527S	3/15/2018	
	18-015-SG-PCT	11202101455T	8/28/2019	
	18-024-SG-PCD	SYSTEMS AND METHODS TO PRODUCE B CELLS GENETICALLY MODIFIED TO EXPRESS SELECTED ANTIBODIES		
	18-024-SG-PCT	11202003024W	10/19/2018	
	18-039-SG-PCT	11202104349Q	11/8/2019	
	18-092-SG-PCT	11202007660U	2/12/2019	
	18-095-SG-PCT	11202003427X	11/6/2018	
	19-103-SG-PCT	11202109745P	3/10/2020	
	19-132-SG-PCT	11202111943U	7/2/2020	
	20-002-SG-PCT	11202201459Q	8/19/2020	
	00238-SK-EPT	05256463.0	10/18/2005	1652937
	00239-SK-EPT	05852204.6	11/23/2005	1814580
	13-006-SK-EPT	13753495.4	8/20/2013	2884999
	14-010-SK-EPT	14830770.5	12/22/2014	3083671
	00239-SI-EPT	05852204.6	11/23/2005	1814580
	13-006-SI-EPT	13753495.4	8/20/2013	2884999
	14-010-SI-EPT	14830770.5	12/22/2014	3083671
Slovenia	00239-SI-EPT	05852204.6	11/23/2005	1814580
	13-006-SI-EPT	13753495.4	8/20/2013	2884999
South Africa	14-010-SI-EPT	14830770.5	12/22/2014	3083671
	11-029-ZA-PCD	2019/01167	3/23/2012	2019/01167
	11-029-ZA-PCT	2013/07233	3/23/2012	
	12-026-ZA-PCT	2014/07990	5/2/2013	
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	13-006-ZA-PCT	2015/01076	8/20/2013	
	13-029-ZA-PCT	2016/04785	2/10/2015	
	14-010-ZA-PCT	2016/03700	12/22/2014	
	15-006-ZA-PCT	2017/05899	3/4/2016	
	15-009-ZA-PCT	2016/03169	11/21/2014	
	15-030-ZA-PCT	2018/06512	4/14/2017	

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Spain	16-010-ZA-PCT	2017/01574	9/28/2015	
	17-007-ZA-PCT	2019/01629	9/22/2017	
	17-057-ZA-PCT	2019/05072	2/16/2018	
	17-079-ZA-PCD	High Affinity MAGE-A1 Specific TCRs and Uses Thereof		
	17-079-ZA-PCT	2019/06006	3/15/2018	
	18-024-ZA-PCT	2020/02787	10/19/2018	
	18-039-ZA-PCT	2021/03095	11/8/2019	
	19-001-ZA-PCT	2021/01114	8/21/2019	
	19-103-ZA-PCT	2021/06530	3/10/2020	
	00238-ES-EPT	05256463.0	10/18/2005	2355731
	00243-ES-EPT	06739100.3	3/20/2006	1877428
	07-014-ES-EPT	07852711.6	10/12/2007	2099902
	07-033-ES-EPT	08797923.3	8/14/2008	2178585
	08-012-ES-EPT	09705748.3	1/28/2009	2245142
	08-012-ES-ETD	17209395.7	1/28/2009	3363893
	10-010-ES2-EPT	11780950.9	2/4/2011	2569330
	10-010-ES2-ETD	16189999.2	2/4/2011	3165533
	11-029-ES-EPT	12725893.7	3/23/2012	2689010
	11-044-ES-EPT	12848741.0	11/9/2012	2776451
	12-026-ES-EPT	13784884.2	5/2/2013	2844743
	13-006-ES-EPT	13753495.4	8/20/2013	2884999
	14-010-ES-EPT	14830770.5	12/22/2014	300392585
	14-014-ES-EPT	15753531.1	7/30/2015	3177314
	15-008-ES-EPT	15795073.4	10/27/2015	3212223
	15-009-ES-EPT	14863490.0	11/21/2014	3071593
	16-005-ES-EPT	17705745.2	2/2/2017	3411408
	16-022-ES-EPT	17714373.2	3/17/2017	3430038
	16-024-ES-EPT	15854358.7	10/29/2015	3212790
	16-028-ES-EPT	16822558.9	12/2/2016	3384294
	16-057-ES-EPT	16756268.5	2/24/2016	3262196
	17-038-ES-EPT	15779750.7	3/5/2015	3132059
Sweden	17-044-ES-EPT	12856015.8	12/7/2012	2788509
	00238-SE-EPT	05256463.0	10/18/2005	1652937
	13-006-SE-EPT	13753495.4	8/20/2013	2884999
	14-010-SE-EPT	14830770.5	12/22/2014	3083671
	15-009-SE-EPT	14863490.0	11/21/2014	3071593
	16-022-SE-EPT	17714373.2	3/17/2017	3430038
	16-024-SE-EPT	15854358.7	10/29/2015	3212790
	16-057-SE-EPT	16756268.5	2/24/2016	3262196

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Switzerland	17-038-SE-EPT	15779750.7	3/5/2015	3132059
	17-044-SE-EPT	12856015.8	12/7/2012	2788509
	00238-CH-EPT	05256463.0	10/18/2005	1652937
	00239-CH-EPT	05852204.6	11/23/2005	1814580
	00243-CH-EPT	06739100.3	3/20/2006	1877428
	07-014-CH-EPT	07852711.6	10/12/2007	2099902
	07-033-CH-EPT	08797923.3	8/14/2008	2178585
	08-012-CH-EPT	09705748.3	1/28/2009	2245142
	08-012-CH-ETD	17209395.7	1/28/2009	3363893
	10-010-CH2-EPT	11780950.9	2/4/2011	2569330
	10-010-CH2-ETD	16189999.2	2/4/2011	3165533
	10-028-CH2-ETD	16162911.8	4/11/2011	3097916
	10-028-CH-ETD2	19191594.1	4/11/2011	3590520
	11-044-CH-EPT	12848741.0	11/9/2012	2776451
	12-034-CH-EPT	13774891.9	9/27/2013	2900674
	13-006-CH-EPT	13753495.4	8/20/2013	2884999
	13-025-CH-EPT	14737656.0	1/14/2014	2943565
	14-010-CH-EPT	14830770.5	12/22/2014	3083671
	15-009-CH-EPT	14863490.0	11/21/2014	3071593
	16-022-CH-EPT	17714373.2	3/17/2017	3430038
	16-024-CH-EPT	15854358.7	10/29/2015	3212790
	16-057-CH-EPT	16756268.5	2/24/2016	3262196
	17-038-CH-EPT	15779750.7	3/5/2015	3132059
	17-044-CH-EPT	12856015.8	12/7/2012	2788509
Taiwan	20-143-TW-NP	111104583	2/8/2022	
	20-148-TW-NP	110113297	4/13/2021	
	20-162-TW-NP	110113287	4/13/2021	
	21-081-TW-NP	110137080	10/5/2021	
	11-029-TH-PCT	1301005290	3/23/2012	
Thailand				
Turkey	12-020-TU-EPT	13706397.0	2/15/2013	2814959
	13-006-TR-EPT	2020/22251	8/20/2013	2020-GE-718344
	14-010-TR-EPT	14830770.5	12/22/2014	3083671
	15-009-TR-EPT	14863490.0	11/21/2014	3071593
Ukraine	18-024-UA-PCT	a202002980	10/19/2018	
United Kingdom	00224-GB-EPT	10180473.0	12/15/2004	2360472
	00224-GB-EPT2	10180481.3	12/15/2004	2333541
	00224-GB-ETD3	15163430.0	12/15/2004	2944957
	00224-GB-ETD4	18184740.1	12/15/2004	3438287
	00238-GB-EPT	05256463.0	10/18/2005	1652937
	00243-GB-EPT	06739100.3	3/20/2006	1877428

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United States	07-014-GB-EPT	07852711.6	10/12/2007	2099902
	07-033-GB-EPT	1004138.2	8/14/2008	2464902
	08-012-GB-EPT	09705748.3	1/28/2009	2245142
	08-012-GB-ETD	17209395.7	1/28/2009	3363893
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	12-020-US-CNT13	17/356,288	6/23/2021	
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	12-020-US-CNT17	17/464,341	9/1/2021	
	12-020-US-CNT8	17/091,676	11/6/2020	
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	13-006-US-PCT	14/422,640	2/19/2015	10,780,118
	13-006-US-PSP	61/691,117	8/20/2012	
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	13-025-US-CNT3	17/039,671	9/30/2020	
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	13-025-US-PSP2	61/900,922	11/6/2013	
	13-027-US-CNT2	METHODS FOR IDENTIFYING THERAPEUTIC TARGETS AND TREATING AND MONITORING CANCERS		
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	13-027-US-PCT	15/038,342	5/20/2016	10,676,746
	13-027-US-PSP	61/907,943	11/22/2013	
	13-028-US-CNT	15/939,199	3/28/2018	10,463,698
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	13-028-US-PCT	14/759,631	7/7/2015	9,956,249
	13-028-US-PSP	61/750,332	1/8/2013	
	13-029-US-CNT5	17/565,885	12/30/2021	
	13-029-US-PCT	15/117,602	8/9/2016	10,201,570
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	13-029-US-PSP5	62/060,338	10/6/2014	
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	13-030-US-CNT	15/672,106	8/8/2017	10,392,446
	13-030-US-CNT2	16/510,646	7/12/2019	
	13-030-US-PSP	61/785,907	3/14/2013	
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	14-010-US-CNT	16/664,706	10/25/2019	
	14-010-US-CNT2	17/329,115	5/24/2021	
	14-010-US-PCT	15/106,657	6/20/2016	10,494,434
	14-010-US-PSP	61/919,201	12/20/2013	
	14-013A-US-TM	86/217,976	3/11/2014	4,757,094
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	14-013-US-PCT	15/117,141	8/5/2016	10,726,101
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	14-021-US-PSP	61/974,317	4/2/2014	
	14-021-US-PSP2	62/072,915	10/30/2014	
	14-029-US-PSP	61/955,062	3/18/2014	
	14-030-US-PCT	15/313,043	11/21/2016	10,370,643
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	14-030-US-PSP2	62/005,746	5/30/2014	
	14-033-US-PCT	15/506,466	2/24/2017	10,866,239
	14-033-US-PSP	62/047,485	9/8/2014	
	15-004-US-PSP	62/057,047	9/29/2014	
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	15-008-US-PCT	15/521,794	4/25/2017	10,828,352
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	15-009-US2-CNT	15/990,524	5/25/2018	
	15-009-US-PCT	15/037,485	5/18/2016	10,344,075
	15-009-US-PSP	61/907,887	11/22/2013	
	15-015-US-CNT	16/422,876	5/24/2019	10,828,333
	15-015-US-CNT2	16/992,981	7/7/2020	
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	15-016-US-PSP	62/137,764	3/24/2015	
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	15-020-US-PCT	15/742,415	1/5/2018	11,135,268
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	15-030-US-PSP	62/322,581	4/14/2016	
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	15-033-US-CNT	17/353,447	6/21/2021	
	15-033-US-PCT	15/758,320	3/7/2018	11,090,358
	15-033-US-PSP	62/216,331	9/9/2015	
	15-033-US-PSP2	62/278,929	1/14/2016	
	15-033-US-PSP3	62/385,734	9/9/2016	
	15-035-US-CNT	17/524,592	11/11/2021	
	15-035-US-PCT	15/570,191	10/27/2017	
	15-035-US-PSP	62/154,565	4/29/2015	
	15-036-US-PCT	15/570,209	10/27/2017	
	15-036-US-PSP	62/154,573	4/29/2015	
	15-040-US-CNT	16/216,625	12/11/2018	
	15-040-US-PCT	14/651,175	6/10/2015	10,156,559
	16-005-US-DIV	17/157,810	1/25/2021	
	16-005-US-PCT	16/074,737	8/1/2018	10,968,275
	16-005-US-PSP	62/290,337	2/2/2016	
	16-005-US-PSP2	62/324,876	4/19/2016	
	16-006-US-PCT	15/775,298	5/10/2018	10,815,290
	16-006-US-PSP	62/253,590	11/10/2015	
	16-007-US-DIV	17/203,473	3/16/2021	
	16-007-US-PCT	15/770,433	4/23/2018	10,954,500
	16-007-US-PSP	62/245,756	10/23/2015	
	16-010-US-CNT	15/400,690	1/6/2017	9,844,563
	16-010-US-CNT2	17/140,295	1/4/2021	

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	16-010-US-DIV	16/116,411	8/29/2018	10,912,793
	16-010-US-PCT	15/030,008	4/15/2016	10,639,321
	16-010-US-PSP	62/212,232	8/31/2015	
	16-010-US-PSP2	62/312,358	3/23/2016	
	16-010-US-PSP3	62/456,001	2/7/2017	
	16-010-US-PSP4	62/456,587	2/8/2017	
	16-011-US-PSP	62/362,397	7/14/2016	
	16-011-US-PSP2	62/480,230	3/31/2017	
	16-018-US-CNT	16/802,377	2/26/2020	11,078,300
	16-018-US-CNT2	17/361,087	6/28/2021	
	16-018-US-PCT	15/780,397	5/31/2018	10,597,466
	16-018-US-PSP	62/262,146	12/2/2015	
	16-022-US-DIV	17/103,762	11/24/2020	
	16-022-US-PCT	16/086,290	9/18/2018	10,875,927
	16-022-US-PSP	62/310,541	3/18/2016	
	16-022-US-PSP2	62/320,327	4/8/2016	
	16-023-US-PCT	15/540,903	6/29/2017	10,538,763
	16-023-US-PSP	62/104,610	1/16/2015	
	16-024-US-PCT	15/523,240	4/28/2017	10,392,663
	16-024-US-PSP	62/072,162	10/29/2014	
	16-027-US-PCT	15/781,447	6/4/2018	10,813,949
	16-027-US-PSP	62/263,470	12/4/2015	
	16-028-US-PCT	15/781,089	6/1/2018	
	16-028-US-PSP	62/263,612	12/4/2015	
	16-028-US-PSP2	62/417,284	11/3/2016	
	16-032-US-PCT	16/064,161	6/20/2018	11,026,969
	16-032-US-PSP	62/387,546	12/23/2015	
	16-038-US-PCT	15/529,943	5/25/2017	11,066,705
	16-038-US-PSP	62/084,470	11/25/2014	
	16-039-US-PCT	16/480,481	7/24/2019	
	16-039-US-PSP	62/449,998	1/24/2017	
	16-039-WO-PCT	PCT/US2018/015101	1/24/2018	
	16-054-US-PCT	16/098,808	11/2/2018	
	16-054-US-PSP	62/331,906	5/4/2016	
	16-057-US-PCT	15/553,040	8/23/2017	11,047,008
	16-057-US-PSP	62/120,249	2/24/2015	
	16-057-US-PSP2	62/157,249	5/5/2015	
	16-060-US-PCT	16/094,420	10/17/2018	
	16-060-US-PSP	62/325,428	4/20/2016	
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Country	Fred Hutch Ref.	Serial No. or Title	File Date	Patent No.
	16-061-US-PSP	62/052,452	9/18/2014	
	16-070-US-PCT	16/310,773	12/17/2018	
	16-070-US-PSP	62/351,761	6/17/2016	
	16-070-US-PSP2	62/428,994	12/1/2016	
	16-073-US-PCT	16/343,364	4/18/2019	
	16-073-US-PSP	62/410,789	10/20/2016	
	16-075-US-PCT	16/318,313	1/16/2019	11,261,250
	16-075-US-PSP	62/365,855	7/22/2016	
	16-078-US-PCT	16/307,462	12/5/2018	
	16-078-US-PSP	62/346,547	6/6/2016	
	16-078-US-PSP2	62/417,292	11/3/2016	
	16-078-US-PSP3	62/429,737	12/3/2016	
	17-002-US-PCT	16/966,823	7/31/2020	
	17-002-US-PSP	62/625,881	2/2/2018	
	17-007-US-DIV	16/700,998	12/2/2019	
	17-007-US-PCT	16/362,551	3/22/2019	10,538,574
	17-007-US-PSP	62/399,291	9/23/2016	
	17-008-US-PSP	62/747,036	10/17/2018	
	17-010-US-DIV	17/643,734	12/10/2021	
	17-010-US-PCT	16/329,178	2/27/2019	11,235,076
	17-010-US-PCT2	16/365,132	3/26/2019	
	17-010-US-PCT3	16/336,665	3/26/2019	
	17-010-US-PSP	62/401,687	9/29/2016	
	17-010-US-PSP2	62/380,885	8/29/2016	
	17-010-US-PSP3	62/505,458	5/12/2017	
	17-011-US-PCT	17/594,542	10/21/2021	
	17-011-US-PSP	62/838,808	4/25/2019	
	17-012-US-NP	15/287,511	10/6/2016	
	17-012-US-PSP	62/238,036	10/6/2015	
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	17-016-US-PSP	62/385,908	9/9/2016	
	17-016-US-PSP2	62/432,487	12/9/2016	
	17-016-US-PSP3	62/447,869	1/18/2017	
	17-016-US-PSP4	62/510,710	5/24/2017	
	17-020-US-PCT	16/474,503	6/27/2019	
	17-020-US-PSP	62/442,903	1/5/2017	
	17-021-US-PCT	16/472,764	6/21/2019	
	17-021-US-PSP	62/437,572	12/21/2016	
	17-030-US-PCT	16/478,672	7/17/2019	
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	17-033-US-PCT	16/342,856	4/17/2019	
	17-033-US-PSP	62/410,078	10/19/2016	
	17-036-US-PCT	16/617,445	11/26/2019	
	17-036-US-PSP	62/511,792	5/26/2017	
	17-036-US-PSP2	62/532,772	7/14/2017	
	17-038-US-PCT	15/304,631	10/17/2016	10,150,996
	17-038-US-PSP	61/981,085	4/17/2014	
	17-038-US-PSP2	61/983,920	4/24/2014	
	17-040-US-PCT	16/768,617	5/29/2020	
	17-040-US-PSP	62/593,463	12/1/2017	
	17-042-US-CNT	17/029,756	9/23/2020	
	17-042-US-PSP	62/293,966	2/11/2016	
	17-042-US-PSP2	62/365,961	7/22/2016	
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	17-044-US-NP	13/708,847	12/7/2012	9,824,179
	17-044-US-PSP	61/569,118	12/9/2011	
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	17-044-US-PSP3	61/726,489	11/14/2012	
	17-046-US-PSP	62/215,630	9/8/2015	
	17-047-US-PCT2	14/777,294	9/15/2015	
	17-047-US-PSP	61/660,665	6/15/2012	
	17-047-US-PSP2	61/789,408	3/15/2013	
	17-048-US-PCT	16/644,947	3/5/2020	
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	17-049-US-PCT	16/645,428	3/6/2020	
	17-049-US-PSP	62/555,017	9/6/2017	
	17-055-US-DIV	COMPOUNDS AND METHODS FOR PREVENTING OR TREATING SENSORY HAIR CELL DEATH		
	17-055-US-NP	15/017,472	2/5/2016	9,493,482
	17-055-US-PCT	15/547,438	7/28/2017	10,399,994
	17-055-US-PSP	62/113,245	2/6/2015	
	17-057-US-PCT	16/486,764	8/16/2019	
	17-057-US-PSP	62/460,612	2/17/2017	
	17-057-US-PSP2	62/582,270	11/6/2017	
	17-058-US-PCT	16/638,339	2/11/2020	
	17-058-US-PSP	62/544,695	8/11/2017	
	17-059-US-PCT	17/282,989	4/5/2021	

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	17-062-US-PSP	62/456,798	2/9/2017	
	17-068-US-PCT	16/480,273	7/23/2019	
	17-068-US-PSP	62/449,494	1/23/2017	
	17-068-WO-PCT	PCT/US2018/014878	1/23/2018	
	17-070-US-PCT	16/494,729	9/16/2019	
	17-070-US-PSP	62/473,282	3/17/2017	
	17-070-US-PSP2	62/629,663	2/12/2018	
	17-071-US-CNT	EPSTEIN BARR VIRUS ANTIBODIES, VACCINES, AND USES OF THE SAME		
	17-071-US-PCT	16/612,265	11/8/2019	11,116,835
	17-071-US-PSP	62/504,447	5/10/2017	
	17-071-US-PSP2	62/560,061	9/18/2017	
	17-078-US-PCT	16/484,788	8/8/2019	
	17-078-US-PSP	62/544,709	8/11/2017	
	17-079-US-CNT	17/131,688	12/22/2020	
	17-079-US-PCT	16/571,013	9/13/2019	
	17-079-US-PSP	62/471,956	3/15/2017	
	17-082-US-PCT	17/296,038	5/21/2021	
	17-082-US-PSP	62/770,661	11/21/2018	
	17-085-US-PCT	16/348,378	5/8/2019	
	17-085-US-PSP	62/421,902	11/14/2016	
	17-085-US-PSP2	62/480,247	3/31/2017	
	17-095-US-PCT	16/608,146	10/24/2019	
	17-095-US-PSP	62/491,107	4/27/2017	
	17-098-US-PCT	16/608,778	10/25/2019	
	17-098-US-PSP	62/491,116	4/27/2017	
	17-098-US-PSP2	62/503,801	5/9/2017	
	17-116-US-PCT	16/619,211	12/4/2019	
	17-116-US-PSP	62/515,474	6/5/2017	
	17-116-US-PSP2	62/564,129	9/27/2017	
	17-116-US-PSP3	62/664,045	4/27/2018	
	18-002-US-PCT	16/753,277	4/2/2020	
	18-002-US-PSP	62/566,897	10/2/2017	
	18-007-US-PSP	62/535,775	7/21/2017	
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	18-010-US-PCT	16/650,179	3/24/2020	
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	18-013-US-PCT	16/757,670	4/20/2020	

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Country	Fred Hutch Ref.	Serial No. or Title	File Date	Patent No.
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	18-015-US-PSP	62/723,936	8/28/2018	
	18-020-US-PSP	63/219,688	7/8/2021	
	18-021-US-PCT	16/645,092	3/6/2020	
	18-021-US-PSP	62/555,034	9/6/2017	
	18-024-US-PCT	16/757,707	4/20/2020	
	18-024-US-PSP	62/575,275	10/20/2017	
	18-024-US-PSP2	62/580,303	11/1/2017	
	18-024-US-PSP3	62/623,371	1/29/2018	
	18-028-US-PSP	62/620,332	1/22/2018	
	18-031-US-PCT	16/976,040	8/26/2020	
	18-031-US-PSP	62/635,450	2/26/2018	
	18-031-US-PSP2	62/676,787	5/25/2018	
	18-031-US-PSP3	62/739,792	10/1/2018	
	18-038-US-PCT	16/762,410	5/7/2020	
	18-038-US-PSP	62/583,414	11/8/2017	
	18-039-US-CNT	T CELL RECEPTORS SPECIFIC FOR MESOTHELIN AND THEIR USE IN IMMUNOTHERAPY		
	18-039-US-PCT	17/291,985	5/6/2021	
	18-039-US-PSP	62/758,397	11/9/2018	
	18-042-US-PCT	17/269,199	2/17/2021	
	18-042-US-PSP	62/724,555	8/29/2018	
	18-047-US-NP	17/674,121	2/17/2022	
	18-047-US-PSP	63/150,803	2/18/2021	
	18-073-US-PCT	16/963,119	7/17/2020	
	18-073-US-PSP	62/618,908	1/18/2018	
	18-075-US-PCT	17/040,008	9/21/2020	
	18-075-US-PSP	62/646,727	3/22/2018	
	18-078-US-PCT	17/281,540	3/30/2021	
	18-078-US-PSP	62/692,398	6/29/2018	
	18-086-US-PCT	16/960,851	7/8/2020	
	18-086-US-PSP	62/616,252	1/11/2018	
	18-090-US-PCT	16/608,182	10/24/2019	
	18-090-US-PSP	62/488,927	4/24/2017	
	18-091-US-PCT	17/049,148	10/20/2020	
	18-091-US-PSP	62/661,577	4/23/2018	
	18-092-US-PCT	16/968,547	8/7/2020	

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	18-092-US-PSP3	62/667,207	5/4/2018	
	18-095-US-PCT	16/761,770	5/5/2020	
	18-095-US-PSP	62/582,308	11/6/2017	
	18-095-US-PSP2	62/582,937	11/7/2017	
	18-095-US-PSP3	62/665,450	5/1/2018	
	18-096-US-PCT	17/044,779	10/1/2020	
	18-096-US-PSP	62/665,280	5/1/2018	
	18-097-US-PCT	17/260,205	1/13/2021	
	18-097-US-PSP	62/698,643	7/16/2018	
	18-140-US-PCT	17/055,969	11/16/2020	
	18-140-US-PSP	62/672,232	5/16/2018	
	18-141-US-PSP	62/657,581	4/13/2018	
	18-143-US-PCT	17/047,360	10/13/2020	
	18-143-US-PSP	62/657,642	4/13/2018	
	18-152-US-PCT	17/264,713	1/29/2021	
	18-152-US-PSP	62/711,662	7/30/2018	
	18-152-US-PSP2	62/857,632	6/5/2019	
	18-153-US-PCT	17/621,429	12/21/2021	
	18-153-US-PSP	62/867,055	6/26/2019	
	18-156-US-PCT	15/734,205	12/1/2020	
	18-156-US-PSP	62/679,468	6/1/2018	
	18-156-US-PSP2	62/751,466	10/26/2018	
	18-156-US-PSP3	62/754,524	11/1/2018	
	18-157-US-PCT	17/312,703	6/10/2021	
	18-157-US-PSP	62/779,885	12/14/2018	
	18-157-US-PSP2	62/836,520	4/19/2019	
	19-001-US-PCT	17/270,400	2/22/2021	
	19-001-US-PSP	62/721,439	8/22/2018	
	19-005-US-PCT	17/624,208	12/30/2021	
	19-005-US-PSP	62/870,005	7/2/2019	
	19-005-US-PSP2	62/984,706	3/3/2020	
	19-007-US-PSP	63/273,103	10/28/2021	
	19-031-US-PCT	16/972,718	12/7/2020	
	19-031-US-PSP	62/730,927	9/13/2018	
	19-033-US-PCT	17/276,105	3/12/2021	
	19-033-US-PSP	62/730,164	9/12/2018	
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	19-042-US-PCT	17/279,561	3/24/2021	

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	19-044-US-PCT	17/441,599	9/21/2021	
	19-044-US-PSP	62/821,821	3/21/2019	
	19-045-US-PSP	62/582,877	11/7/2017	
	19-045-US-PSP2	62/657,406	4/13/2018	
	19-049-US-PCT	17/311,211	6/4/2021	
	19-049-US-PSP	62/775,721	12/5/2018	
	19-053-US-PSP	62/793,765	1/17/2019	
	19-053-US-PSP2	62/793,770	1/17/2019	
	19-053-US-PSP3	62/793,773	1/17/2019	
	19-053-US-PSP4	62/793,777	1/17/2019	
	19-053-US-PSP5	62/794,110	1/18/2019	
	19-068-US-PSP	62/862,486	6/17/2019	
	19-068-US-PSP2	63/040,743	6/18/2020	
	19-103-US-PCT	17/438,380	9/10/2021	
	19-103-US-PSP	62/816,746	3/11/2019	
	19-106-AU-PSP	2017904807	11/28/2017	
	19-106-US-PCT	16/767,060	5/26/2020	
	19-108-US-PCT	17/610,083	11/9/2021	
	19-108-US-PSP	62/848,840	5/16/2019	
	19-108-US-PSP2	62/964,024	1/21/2020	
	19-111-US-PCT	17/298,312	5/28/2021	
	19-111-US-PSP	AU 2018904524	11/28/2018	
	19-113-US-PCT	17/435,610	9/1/2021	
	19-113-US-PSP	62/812,804	3/1/2019	
	19-116-US-PCT	17/440,597	9/17/2021	
	19-116-US-PSP	62/820,087	3/18/2019	
	19-117-US-CNT	17/643,410	12/8/2021	
	19-117-US-PCT	17/408,340	8/20/2021	
	19-117-US-PSP	62/808,248	2/20/2019	
	19-130-US-PCT	17/434,390	8/26/2021	
	19-130-US-PSP	62/811,171	2/27/2019	
	19-130-US-PSP2	62/827,769	4/1/2019	
	19-132-US-PCT	17/618,774	12/13/2021	
	19-132-US-PSP	62/869,907	7/2/2019	
	19-132-US-PSP2	62/935,507	11/14/2019	
	19-132-US-PSP3	63/009,385	4/13/2020	
	19-135-US-PCT	METHOD FOR ENHANCING		

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	19-135-US-PSP	62/830,212	4/5/2019	
	19-135-US-PSP2	62/861,858	6/14/2019	
	19-135-US-PSP3	62/898,473	9/10/2019	
	19-135-US-PSP4	62/944,955	12/6/2019	
	19-138-US-PSP	62/901,186	9/16/2019	
	19-140-US-PSP3	63/083,076	9/24/2020	
	19-144-US-PCT	ENGINEERED TRIMERIC CD70 PROTEINS AND USES THEREOF		
	19-144-US-PSP	62/912,510	10/8/2019	
	19-144-US-PSP2	62/971,712	2/7/2020	
	19-144-US-PSP3	62/984,695	3/3/2020	
	19-145-US-PCT	16/341,290	4/11/2019	
	19-145-US-PSP	62/408,693	10/14/2016	
	19-146-US-PCT	17/428,585	8/4/2021	
	19-146-US-PSP	62/802,016	2/6/2019	
	19-151-US-PCT	17/619,403	12/15/2021	
	19-151-US-PSP	62/864,363	6/20/2019	
	19-157-US-NP	17/223,871	4/6/2021	
	19-157-US-PSP	63/006,308	4/7/2020	
	19-159-US-NP	16/899,476	6/11/2020	
	19-159-US-PSP	62/860,649	6/12/2019	
	20-001-US-PCT	17/629,333	1/21/2022	
	20-001-US-PSP	62/877,732	7/23/2019	
	20-002-US-PCT	17/636,314	2/17/2022	
	20-002-US-PSP	62/889,519	8/20/2019	
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Schedule A to Confirmation of Transfer of Patent Rights through Merger

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